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SEATTLE, WASHINGTON

CODE IDENT NO. 81205

NUMBER 72-2786, Vel. II	
TITLE Electre-Interference Test Report on	Power Supply Group,
(Pigure "A" 1284) Serial Member 0004	
MODEL NO. TE-1334 CONTRACT NO.	AF04(647)-289
ISSUE NO. 34 ISSUED TO BSO/	TOC
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SUPERVISED BY 1.	4/9/63
APPROVED BY TRANSPORT	4/25/63
APPROVED BY Amusmel	5/14/63
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1.0	14 6 4 6) (•)

- 1.1 Recing Deciment D2-11802, Electro-Interference Test Requirements for Power Supply Set, DC, LF, Figure A 1284
- 1.2 <u>Boeing Desument D2-12233</u>, Functional Test Procedure for Launcher Power Supply Set, Electro-Interference Test Set (A 1284)
- 1.3 Roeing Dosument D2-9801. Ricetro-Interference Test Plan for Operational WS-133A Equipment
- 1.4 Space Technology Laboratories Specification (MO7-59-2617A, Electro-Interference Control Requirements for Minuteman (WS-133A)

2.0 <u>AIMINISTRATIVE DATA</u>

2.1 Purpose of Test

The purpose of this test was to determine the generated electrointerference levels and susceptibility characteristics of the Test Item, Figure A 1284, Serial No. 0004. The following tests were performed:

Conducted Interference
Radiated Interference
RF Conducted Susceptibility
Magnetic Induced, Equipment Susceptibility
Magnetic Induced, Cable Susceptibility

2.2 <u>Description of Test Item</u>

The Test Item, Power Supply Group, DC, LF, OA-3386/GSW-4, Serial No. 0004, Boeing Part No. 25-22552-36, Figure A 1284, consists of one rack containing four 28 VDC power supplies, an AC Panel, and a DC Panel. The supplies are rated at 12A, 24A and two at 36A. The 24A supply was not included in the Test Item submitted for electro-interference tests.

Facilities required by the Test Item for operation are 120/208 volt, 400 cycle, 3 phase power, and 66 lbs/min. at 55 ± 2 degrees F, coeling air.

The Power Supply Group is located in each WS-133A Launcher as part of the Electric Power Subsystem and performs the following functions:

- a. Converts 400 cycle power to regulated DC.
- b. Distributes both 400 cycle AC power, and regulated DC, to Launcher equipment.
- c. Provides AC and DC circuit protection for the power distributed.
- d. Provides switching functions for DC power distribution.

3.0 SUDGEARY

The following electro-interference tests were performed in accordance with the requirements of References 1.1 and 1.3.

Conducted breadband interference: transient and steady-state
Radiated breadband interference: transient and steady-state
Conducted CW interference
Susceptibility: RF Conducted
Susceptibility: Equipment and Cable, Magnetic-Induced

Conducted broadband measurements exceeded the limits of Reference 1.4 in 61% of the readings.

Conducted CW measurements exceeded the limits of Reference 1.4 in 84% of the readings.

Breadband radiated measurements exceeded the limits of Reference 1.4 in 24% of the readings.

Susceptibility test results were as follows:

RF Conducted Susceptibility: Not susceptible
Magnetic Induced, Equipment Susceptibility: Net susceptible
Magnetic Induced, Cable Susceptibility: Not susceptible

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4.0 TEST CONDITIONS

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Test conditions complied with the requirements of Reference 1.1 and Reference 1.3, paragraph 5.0

The electro-interference tests were conducted in Shield Room 24 of the 9.101 Building. All ambient levels were within the limits of Reference 1.4.

The Test Item was positioned and connected to the Load Simulator 25-28997, as specified in Reference 1.1, paragraph 1.6.

The Test Item and the Load Simulator were grounded according to Reference 1.1, paragraph 2.6.

Power and forced air cooling were supplied to the Test Item as specified in Reference 1.1, paragraph 1.4.2. Power to the Test Load was supplied as specified by Reference 1.2, paragraphs 3.0 and 4.0.

Prior to testing, the Test Load was functionally checked out according to Reference 1.2.

Power and cooling air were periodically checked during the test for compliance with the specifications of References 1.1 and 1.2.

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5.0 TEST PROCEDURES AND OPERATION

5.1 Precedures

Test procedures fellowed the requirements of References 1.1 and 1.3. The required tests performed were those called out in Reference 1.1, paragraph 2.4.

Conducted interference tests were made in accordance with Reference 1.3, paragraph 6.0 and Reference 1.1, paragraph 3.2.

Radiated interference tests were made in accordance with Reference 1.3, paragraph 7.0 and Reference 1.1, paragraph 5.3.

Magnetic Induced, Cable Susceptibility tests were made in accordance with Reference 1.3, paragraph 9.9 and Reference 1.1, paragraph 3.4.

Magnetic Induced, Equipment Susceptibility tests were made in accordance with Reference 1.3, paragraph 9.8 and Reference 1.1, paragraph 3.4.

RF Conducted Susceptibility tests were made in accordance with Reference 1.3, paragraph 9.2 and Reference 1.1, paragraph 3.4.

Criteria for determining susceptibility were defined in Reference 1.1, paragraph 3.4.

5.2 Operation

It was established before starting the test, and during the test, that the Test Item and Test Load were operating in a satisfactory functional manner.

Radiated and Conducted broadband tests were performed in each of three modes. Modes 1 and 2 were steady state and Mode 3 was transient. All modes were operated as described in Reference 1.1, paragraph 3.1 and Table 1. Mode 3 consists of alternately depressing the "G&C Coupler Power On" and "G&C Coupler Power Off" switches. It was recorded in the remarks column of the data sheet which operation generated the highest reading. Other abbreviations found in the column are defined in Appendix VI.

In steady state Modes I and 2, a scan for the presence of CW signals was made in each frequency range.

All Susceptibility tests were performed in Mode 2.

6.0 TEST RESULTS

6.1 Cenducted Interference

6.1.1 Broadband

About 61% of all broadband conducted levels exceeded the limits of Reference 1.4. Conducted steady-state exceeded these limits at the following test points in Modes 1 and 2.

Test Peint	Mode	Over the Limit Frequency Range (NC)	Preq. at Max. Level (NC)	Max. DB
J09-1	i	30 ops015		13
J09-1		.026 - 3	.8	38
J09-2		30 cps015		13
J09-2		•027 - 3	•6	
J09+3		30 cps015		37 13
J09+3		.022 - 3	. 6.	37
J09-4		30 aps015		1
J09-4	1	.2 - 1.5	1.0	20
J09-1	2	30 ops015	•	19
J09-1		.031 + 2.5	.67	41
J09-2		30 aps015		21
J09-2		.016, .027 - 2.5	.6	40
J09-3		30 cps015		25
J09-3		.016, .032 - 2.5	•5	36
J09-4		30 aps015		10
J09-4	, .	2 - 2.5	1.2	22
TP-1		.6 - 2		14
TP-2	2	.8 - 2.5	1.2	8

Conducted transient readings exceeded the limits at the following test points in Mode 3.

Test Point	Mode	Over the Limit Frequency Range (NC)	Freq. at Max. Level (MC)	Max. DB
J09-1	3	30 cps015		24
J09-1		.015, .020, .03 - 25	2.5	65
J09-2		30 cps015	•	25
J09-2		.015, .030 - 25	2.5	72
J09-3		30 cps015	•	25
J09-3		.01503 - 25	2.0	62
J09-4		30 ops015		14
J09-4		.04 - 25	2.0	59
TP-2		₀ 8 - 2 5	2.0	38
TP-3		30 cps015		38 6
TP-3		.04 - 25	2.0	56
TP-4		.6 - 25	25.0	41
TP-5		.8 - 25	8.0	52

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6.1.2 CW Interference

CW signals were measured in Modes 1 and 2. Most of these signals were in the frequency range of 14 KC to 150 KC and occurred about every 2.2 KC. To limit the number of measurements, readings were restricted to three per frequency octave. About 84% of all CW levels exceeded the limits of Reference 1.4. The fellowing list gives all above limit frequencies in Modes 1 and 2.

Test Point	Mode	Over the Limit Frequency Range (MC) Ma	eq. at x. Level (MC)	Max. DB
J09 - 1	1	.015, .021, .027, .032, .041, .051, .06, .08, .112, .14	0.1	18
J09-2		.015, .022, .027, .032, .041, .051, .062, .08, .1, .12, .14	0.1	17
J09 - 3		.016, .021, .026, .031, .041, .051, .06, .08, .1, .12, .14		20
J09 - 4	1	.017, .022, .027, .031, 2.55	2.55	16
J09 - 1	2	.016, .021, .026, .031, .041, .051, .06, .08, .1, .121, .141, .67, .83, 1, 1.6, 2, 2.5	1	22
J09-2		.016, .021, .027, .032, .041, .051, .06, .084, .101, .12, .14, 1, 1.2, 2, 2.5	1	22
J09 - 3		.016, .021, .027, .032, .042, .05, .06, .081, .1, .121, .144, 1, 1.2, 2.1	1	23
J09-4		.017, .021, .031, .5, 1.2, 1.9	0.017	14
TP-2	2	.56	0.56	13

6.2 Radiated Interference

6.2.1 Broadband Radiated

About 24% of all broadband radiated levels exceeded the limits of Reference 1.4. Transient interference exceeded the limits in the following Frequency range for Mode 3.

Frequency Range (MC)	Proq. at Max. Level (MC)	Max. DB	
.03, .05, .2 - 200	40	39	

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6.2.1 <u>Broadband Radiated</u> (centimed)

All broadband, radiated, steady-state interference was below the limits of Reference 1.4.

6.2.2 CW Radiated

No radiated CW signals were detected.

6.3 Susceptibility Tests

6.3.1 RF Conducted

Susceptibility Voltage Insertion Point	Test Point Monitored	Result
J9-1	J01-17 & J01-20	Not susceptible
·	J01-18 & J01-19	Not susceptible
	J03-3 & J03-5	Not susceptible
J9- 2	J01-17 & J01-20	Not susceptible
•	J01-18 & J01-19	Not susceptible
	J03-3 & J03-5	Not susceptible
J9-3	J01-17 & J01-20	Not susceptible
	J01-18 & J01-19	Not susceptible
	J03-5 & J03-5	Not susceptible
J9-4	J01-17 & J01-20	Not susceptible
- 1	J01-18 & J01-19	Not susceptible
	J03-3 & J03-5	Not susceptible

6.3.2 Magnetic Induced. Equipment

Test Point Monitored	Result
J01-17 & J01-20	Not susceptible
J01-18 & J01-19 J03-3 & J03-5	Not susceptible Not susceptible

6.3.3 Magnetic Induced. Cable

Cables Tested	Test Points Monitored Result
1264 T C 1	J01-17 & J01-20 Not susceptible J01-18 & J01-19 Kot susceptible J03-3 & J03-5 Not susceptible
1284T0 3	J01-17 & J01-20 Not susceptible J01-18 & J01-19 Not susceptible J03-3 & J03-5 Not susceptible

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6.4 It should be noted that the limits of Reference 1.4 are referred to throughout this report solely as a basis for discussion of test results, since no limits were specified in the Test Requirements Document as required per D2-9801, paragraph 5.1. 1 Added 4-8-63 VOL. II

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7.0 CONCLUSIONS

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The test results show that broadband and CW conducted, and radiated broadband interference exceed the limits of Reference 1.4. No radiated CW interference was detected.

The Test Item was not susceptible to the applied tests.

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8.0 RECOMMENDATIONS

It is recommended that a review of enclosed test data be made to determine whether electro-interference characteristics of the Test Item are compatible with System operations.

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APPENDIX I

Photographs

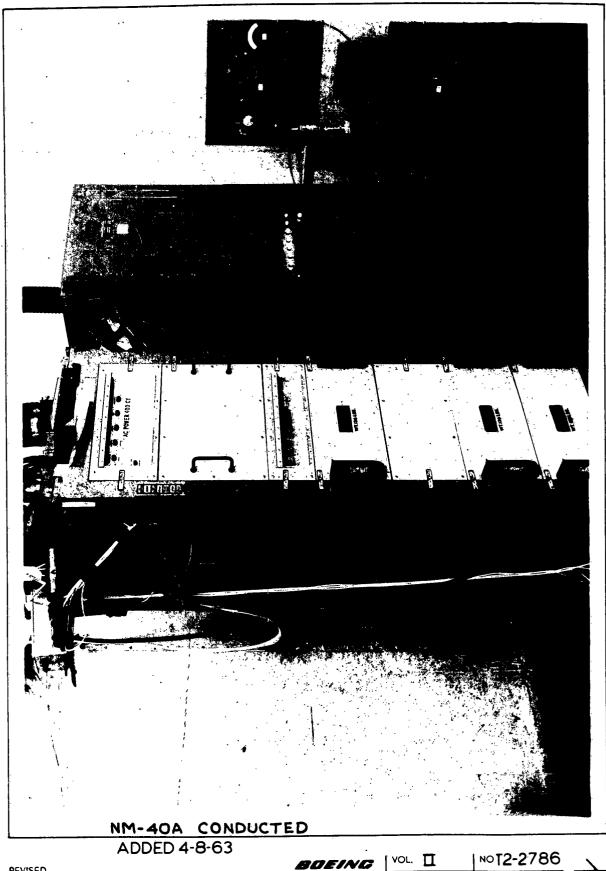
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NM-40A Conducted	19
NF-105 Conducted	20
NF-105 Radiated V/A (15 - 150 KC)	21
NF-105 Radiated V/A (15 - 25 MC)	22
NF-105 Radiated D/A (25 - 400 MC)	23
RF Conducted Susceptibility	24
Magnetic Induced Suscentibility	25

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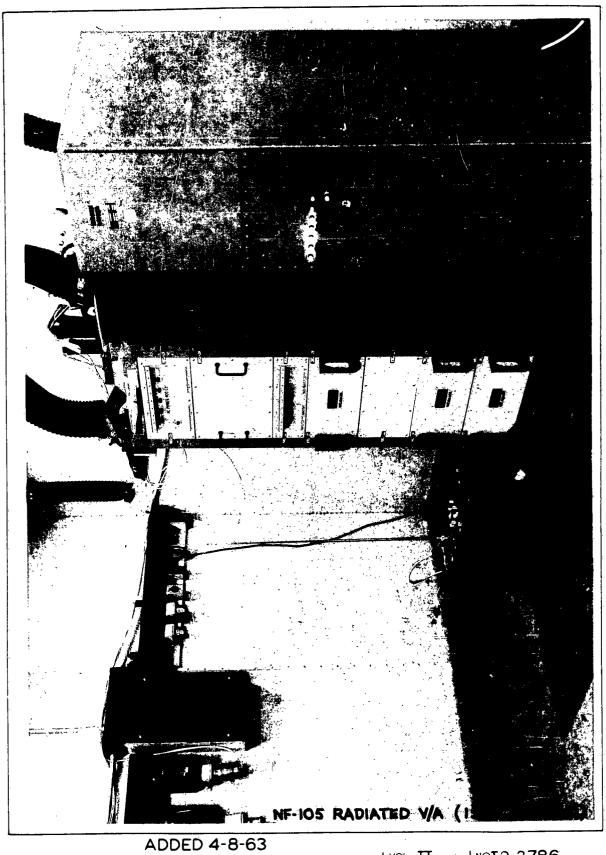
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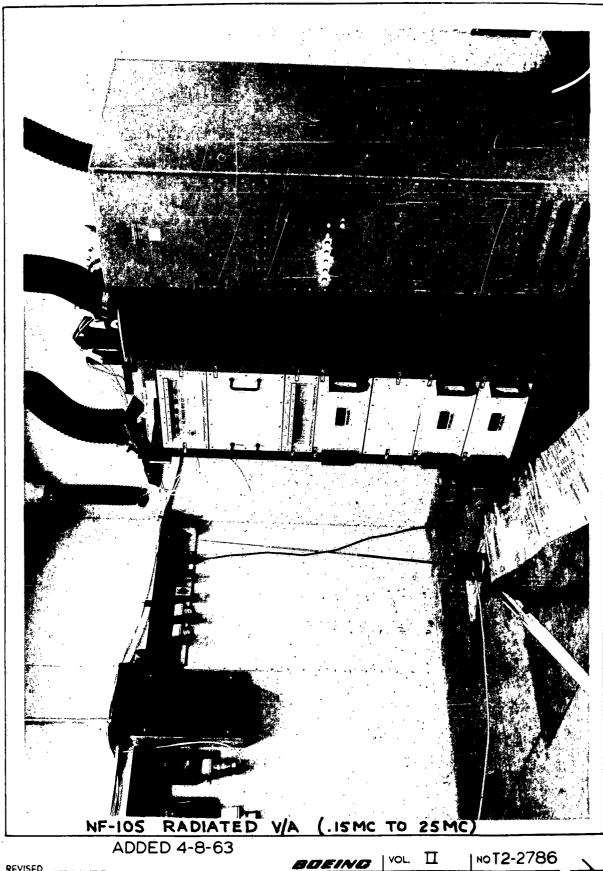
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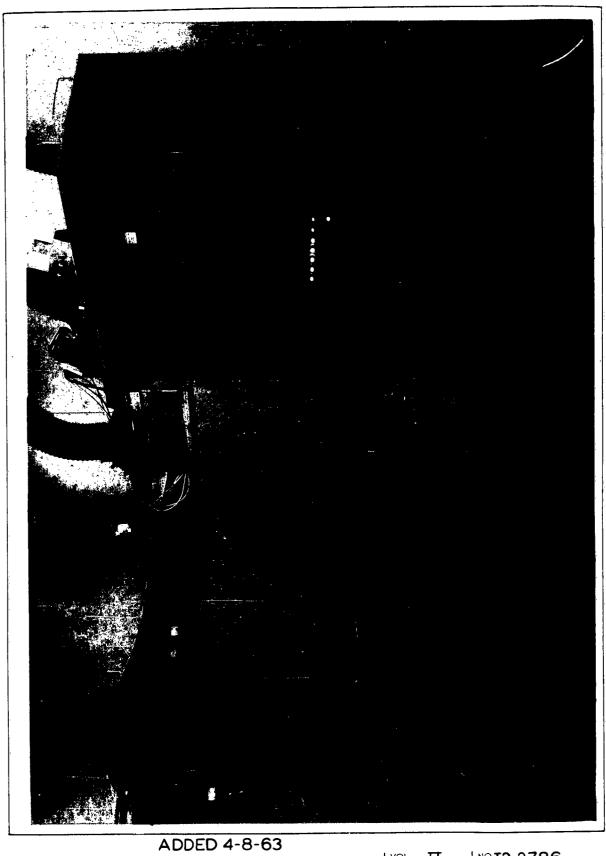
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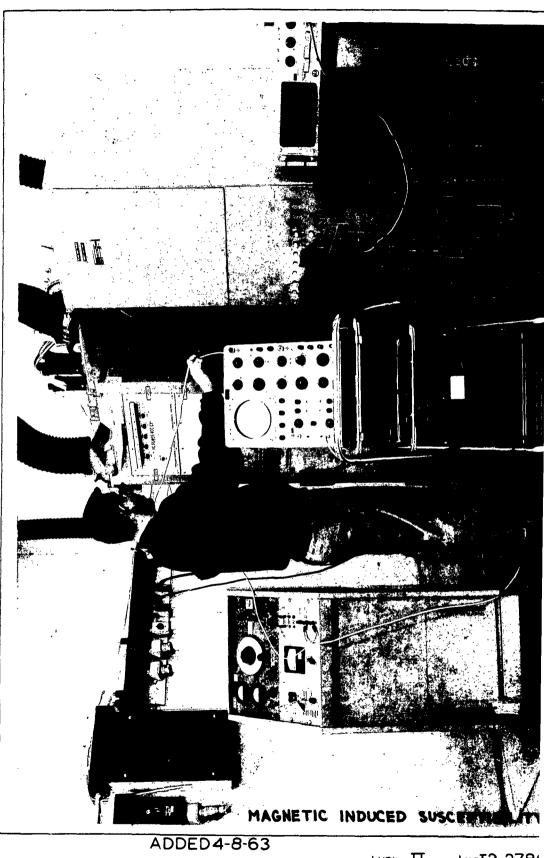
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APPENDIX II

Test Equipment and Facilities

1.0	Test Ite	1					
		ele under test was Berial Number 0004.		er Su ppl y	Set, DC, I	F, Figure	
2.0	Load						
	Load Sim	lator, 25-28997					
3.0	Ecceshie!	The electro-interference tests were conducted in a shielded room, Eccoshield, 20' x 16' x 8', room number 24, located in the 9.101 Building.					
4.0	Test Inst	ruments		n.	te of Last	Calibrat	
	Model No.	Manufacturer	Serial		libration	Due	
4.1	Field In	tensity Meters					
	NF-105	Empire Devices			14-63	4-22-63	
	T-X/NF-10	D5 Empire Devices	1571	2-	5-63	5-14-63	
	NM-40A	Stoddart	310-4	2-	15-63	3-15-63	
4.2	Signal Ge	enerators					
	10-115	Empire Devices			15-63	4-9-63	
	606▲	Hewlett-Packard			15-63	5-10-63	
	608C	Hewlett-Packard			17-63	4-11-63	
	612A	Hewlett-Packard			28-63	4-22-63	
	20 5AG	Hewlett-Packard	BAC 10	33 75 2-	14-63	5-16-63	
4.3	Current]	Probe					
	91550-1	Stoddart	277-90	~~		~~	
	91550-1		245-25			••	
4•4	Miscellar	neous Equipment					
	Model N	lanufacturer			Date of La	st Calibra	
	No.	nd Type	<u>3e</u>	rial No.	Calibratio	n Due	
	50-W-2 N	CIntosh Amplifier	36	15	12-27-62	6-17-6	
	545A 7	Tektronix Oscillosc	ope 02	4657	2-27-63	4-10-6	
	C-A T	ektronix Plug In U		2400	2-1-63	3-1-63	
		. Fluke VT/VM	25		2-26-63	3-26-63	
		lon Linear Sys. Dig			2-15-63	3-14-6	
	•	Voltmeter					

APPENDIX III

Sample Calculations

Base dhe nd	radiated measurements with NF-105 (Rod Antenna) (15 K	C to	25 167)
Dr o ed band		J 4G.	2) 100
	Prequency of Measurement - 105 KC	20	מת
	Antenna Factor Cable Loss		DIB DIB
	Impulse Generator Level (substitution method)		DB/uv/MC
	Total antenna induced DB above one microvolt/MC BW		DB/uV/MC
Broadband	radiated measurements with NF-105 (Dipole Antenna) (2	5 t o	400 MC)
	Frequency of Measurement - 100 MC		
	Antenna Factor		DB
	Cable Loss		DB
	Impulse Generator Level (substitution method) Total antenna induced DB above one microvolt/MC BW		DB/uV/MC
Broadband	current probe conducted measurements with NM-40A		
	Frequency of Measurement (wide band position 30 cps -	20 I	(0)
	Meter Reading	113	DB/uA/20
	Cable Loss Corrected total DB above one microampere per 20 KC bandwidth	0 113	DB DB
Broadband	current probe conducted measurement with NF-105 (15 K	C to	25 MC)
	Frequency of Measurement - 15 KC		
	Cable Loss		DB ,
	Current Probe Factor		DB/ehm
	Impulse Generator Level (substitution method) Total DB above one microampere/MC BW		DB/uV/MC
CW curren	t probe conducted measurement with NF-105 (15 KC to 25	MC)	
	Frequency of Measurement - 60 KC		
	Cable Loss	_	DB /
	Current Probe Factor	-	DB/ohm
	Meter Reading (DB scale)	77	DB/uV

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APPENDIX IV

Plotted Test Data

1.0 Radiated Interference

Frequency	Mode	Test Point	Page
15 KC - 400 MC	TH A MB		30 31
	1		32
į.	2	•	33
15 KC - 400 MC	3		34

2.0 <u>Conducted Interference</u>

2.1 Broadband

Frequency	Mode	Test Point	Page
30 cps - 15 KC	TH		36
15 KC - 25 MC	TH		3 5
30 cps - 15 KC	1	J09 -1	36
l',	1	J09 - 2	3 6
		J09-3	36
1	1	J09-4	36
	2	J09 -1 .	36
		J09-2	36
	İ	J09-3	36 36 36
į	.	J09-4	36
	<u> </u>	TP-1	3 6.
j	2	TP-2	36 36 36 36 36 36 36 36 36 37
	3	J09-1	3 6
j	· '	J09-2	36
		J09 - 3	36
		J09-4	3 6
		TP-2	36
j		TP-3	36
	1	TP-4	36
30 cps - 15 KC	3 1	TP-5	36
15 KC - 25 MC	1	J09 -1	37
	İ	J09-2	38
		447-7	39
	1	J09 -4	40
j	2	J09 - 1	41
	-	J09-2	42
ļ.		J09-3	43
	1	J09 -4	44
		TP-1	45
15 KC - 25 MC	2	TP-2	46

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APPENDIX IV (continued)

2.1 Broadband (continued)

Prequency	Mode	Test Point	Page
15 KC - 25 MC	3	J 09-1	47
	Ī	J09-2	48
		J09-3	
		J09-4	49 50
i		TP-2	51
	1	TP-3	52
ľ	1	TP-4	53
15 KC - 25 MC 3		TP-5	54

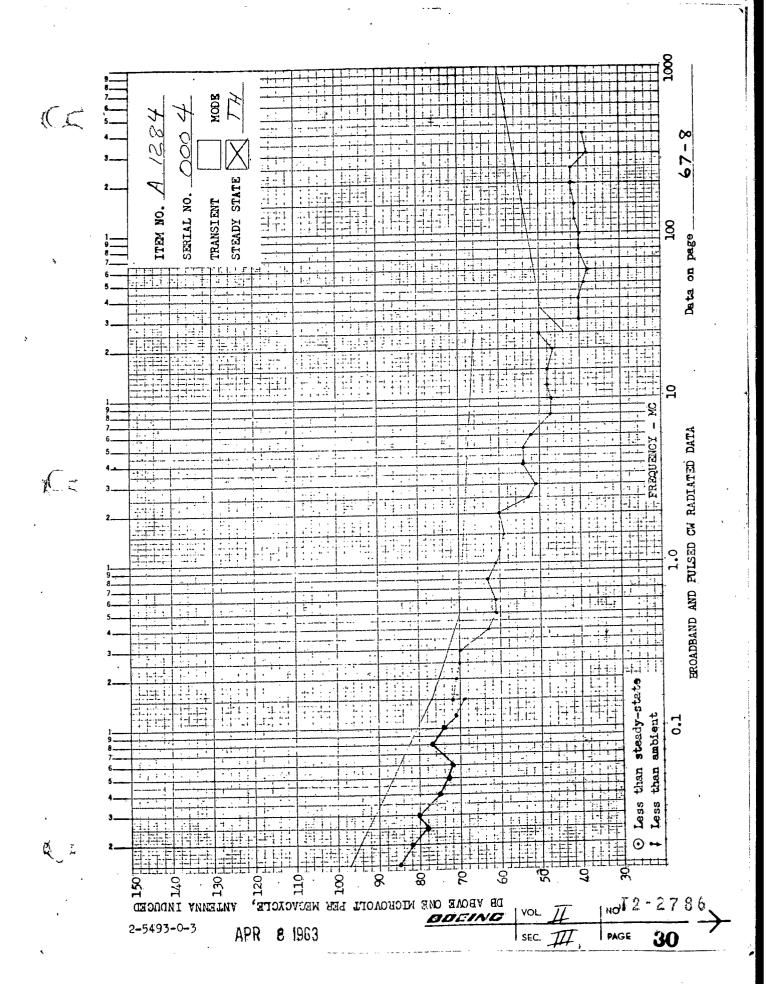
2.2

Frequency	<u>Mode</u>	Test Point	Page
15 KC - 25 MC	1	J09-1	55
	Ī	J09-2	56
		J09 - 3	57
	1	J09-4	5 8
	2	J09-1	
	Ì	J09+2	59 60
		J09-3	61
	İ	J09-4	62
	1	TP-1	63
15 KC - 25 MC	ģ	' mp_2	64

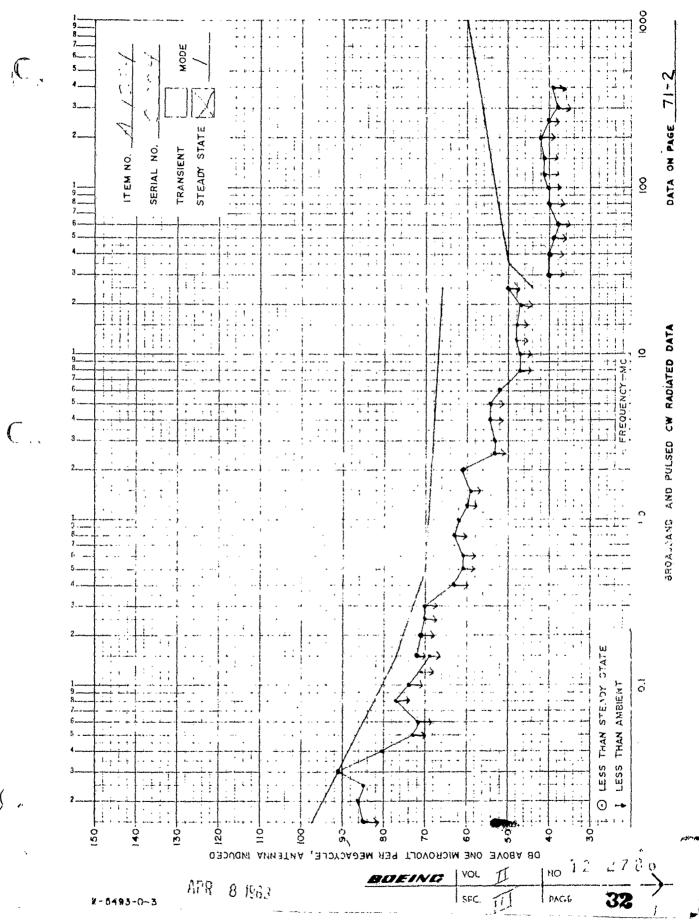
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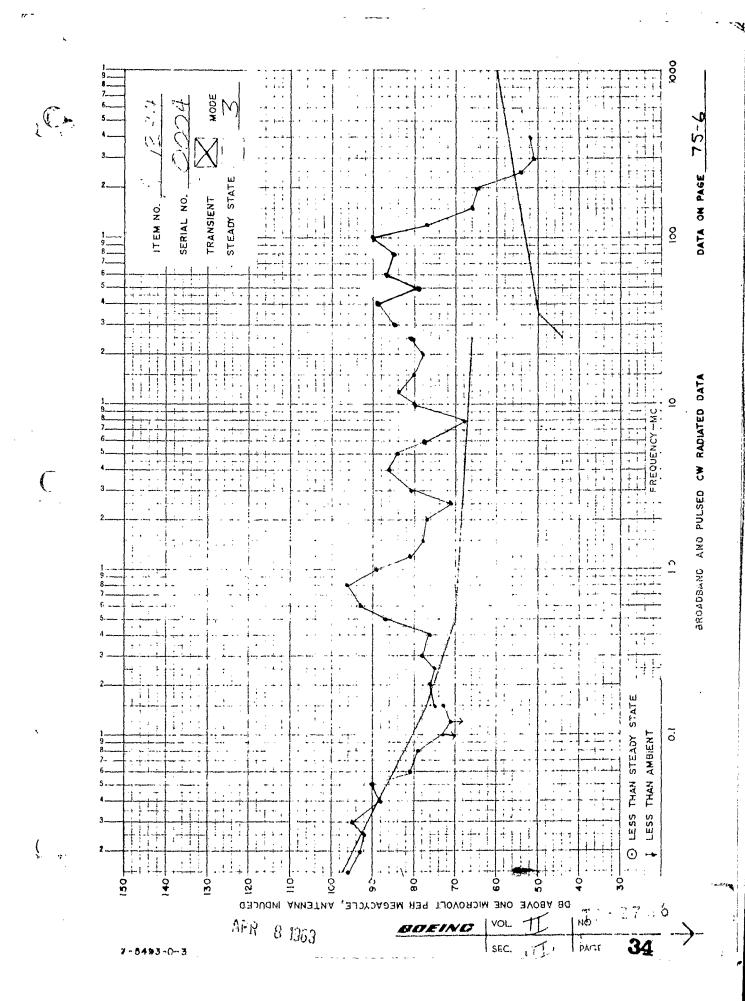
T.

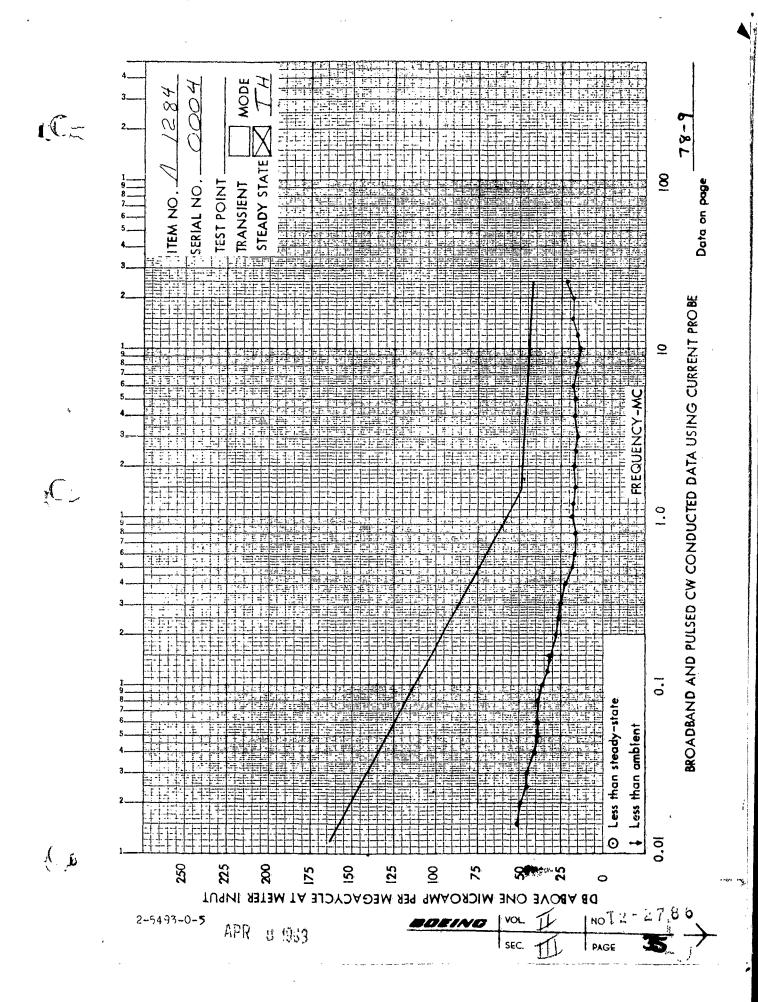


MODE 5 7 ななり STEADY STATE 2 RADIATED 3 BROADBAND AND FULSED 1411 steady-state ambient than { } ⊙ • 9 9 8 110 8 ଥ INO T2 - 2786 DB VBONE ONE MICHONOIL PER MECACYCLE, ANTENNA INDUCED DDEING APR 8 1963 2-5493-0-3 SEC. PAGE

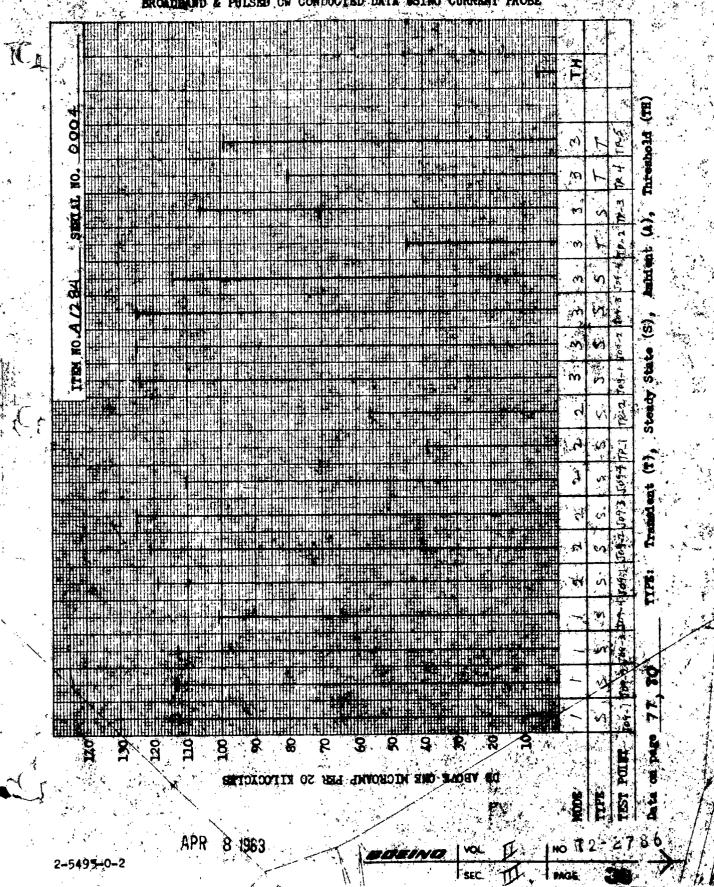


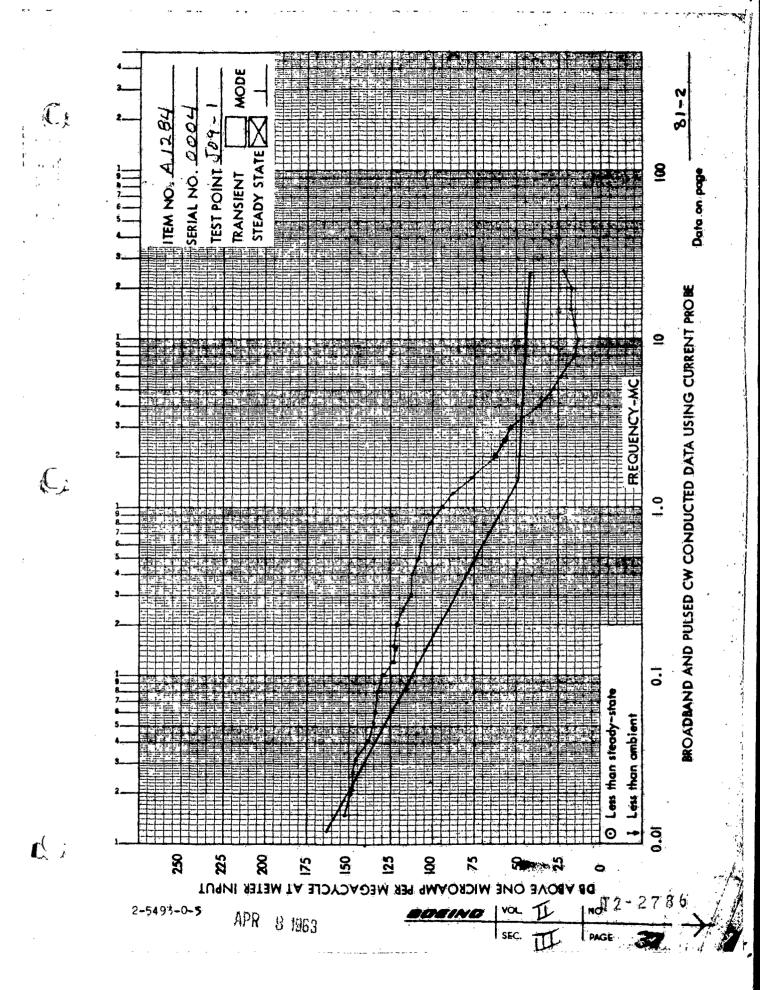
₩ Q 1284 0000 ITEM NO. on page 2 RADIATED DATA A ... ਰੋ than steady-state ⊙ ⊶ 180 110 8 DB VBOAE ONE MICHOAOIL PER MEGACYCLE, VALEMAN INDUCED HOT 2 - 27 8 6 APR 8 1963 2-5493-0-3

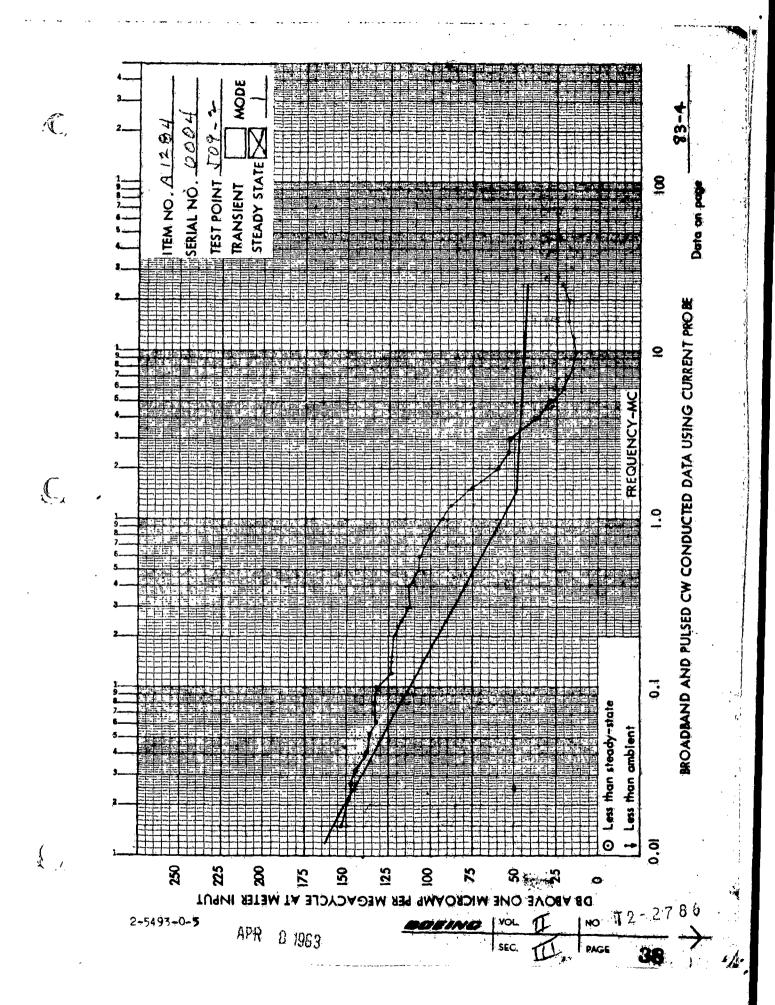


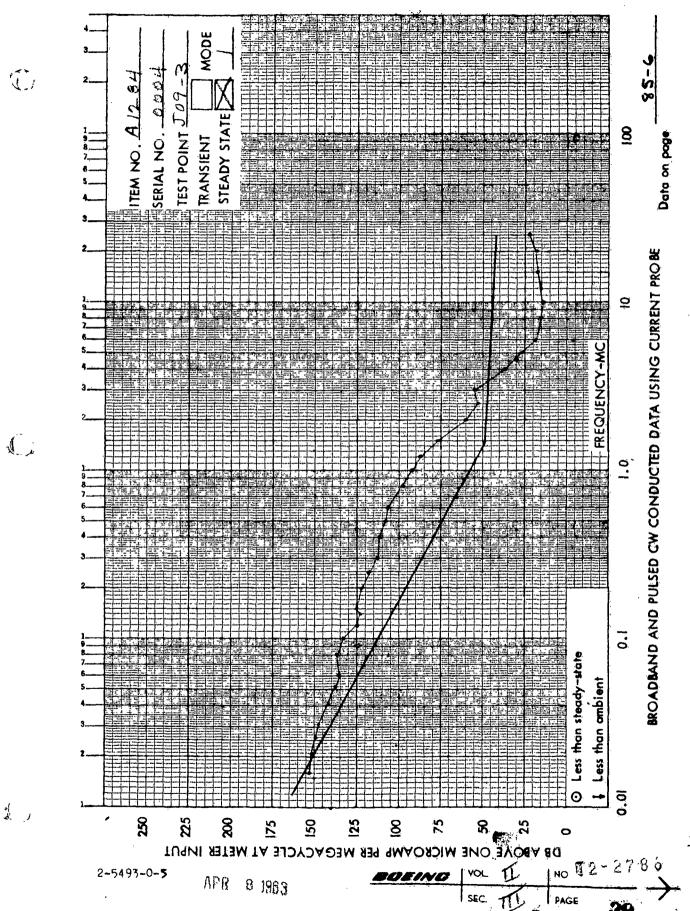


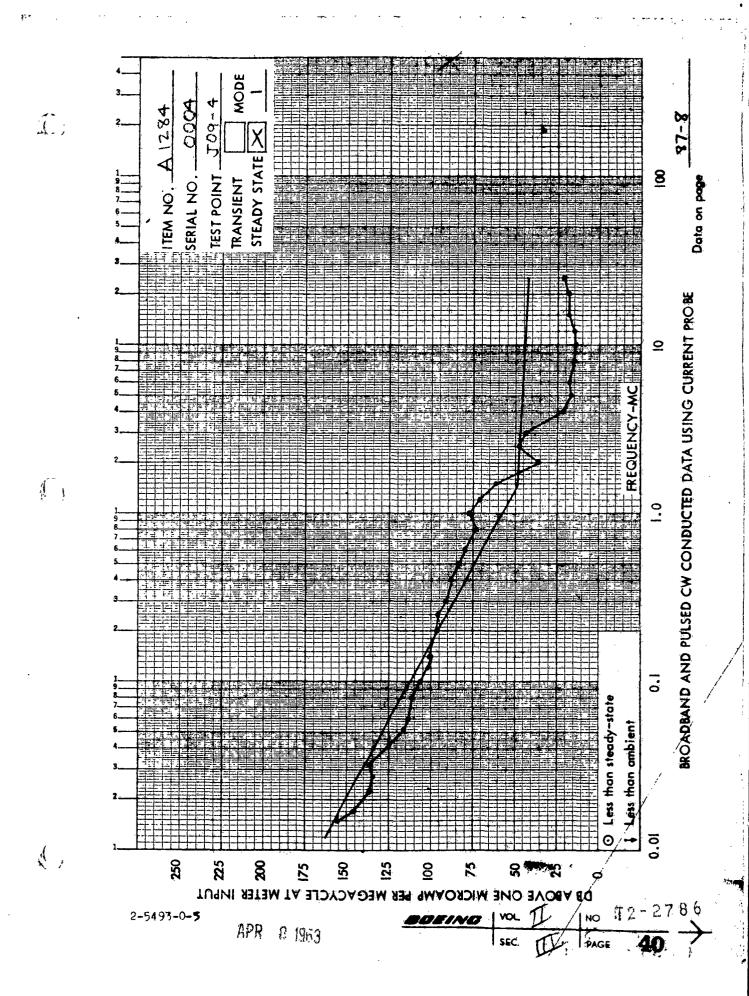
BROADBAND & PHISED ON CONDUCTED DATA USING CURRENT PROBE

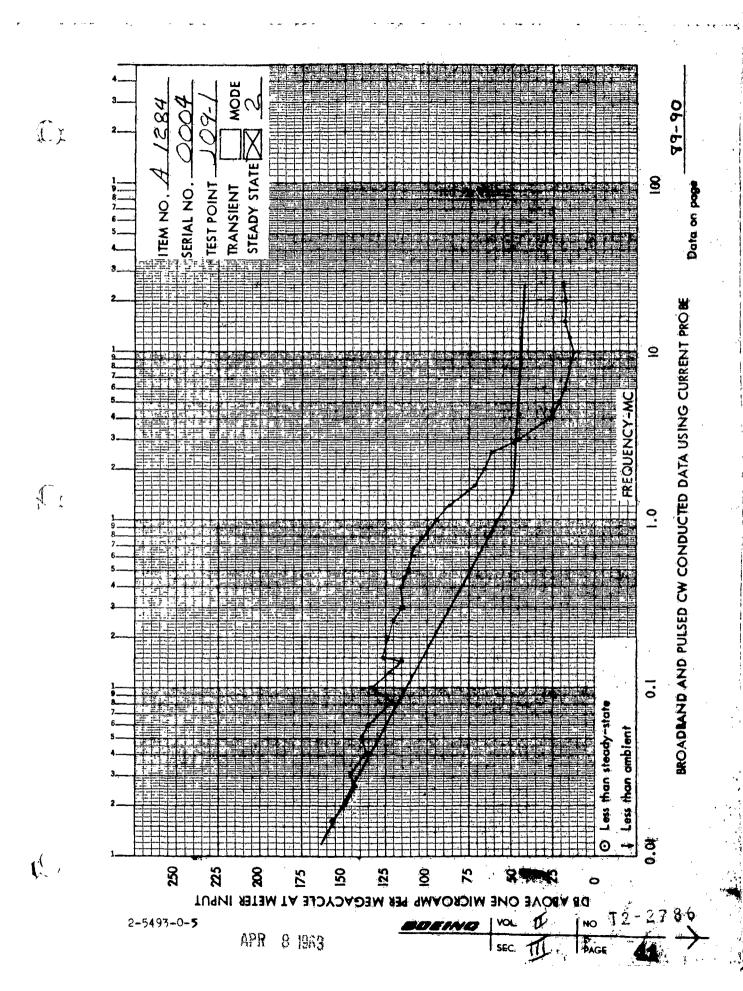


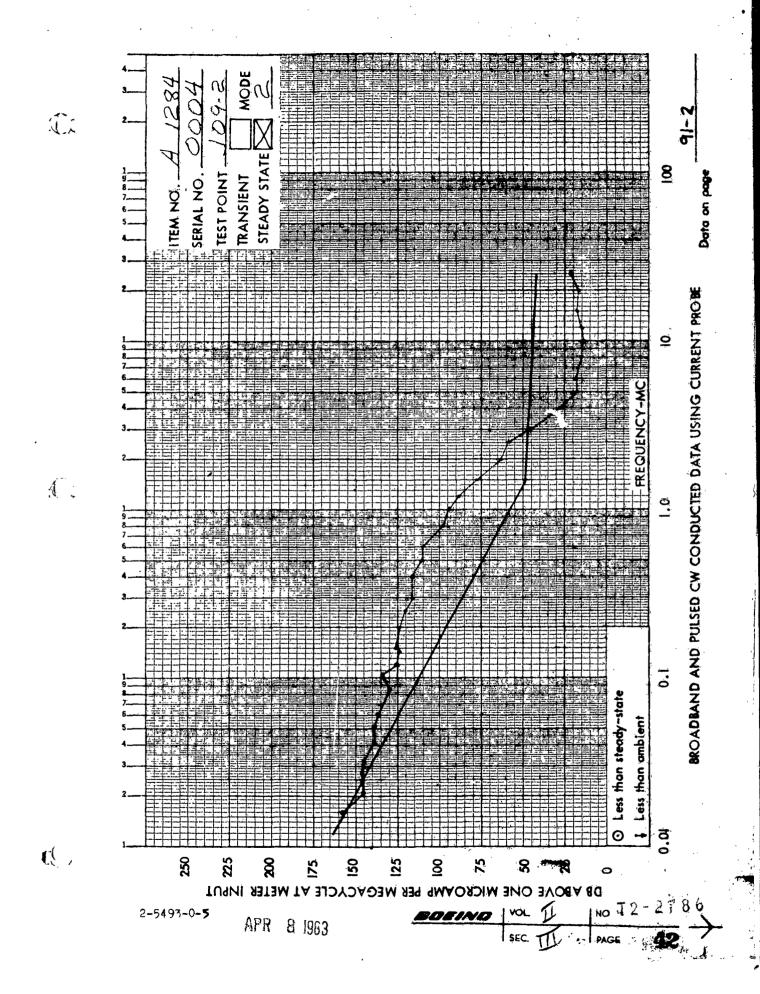


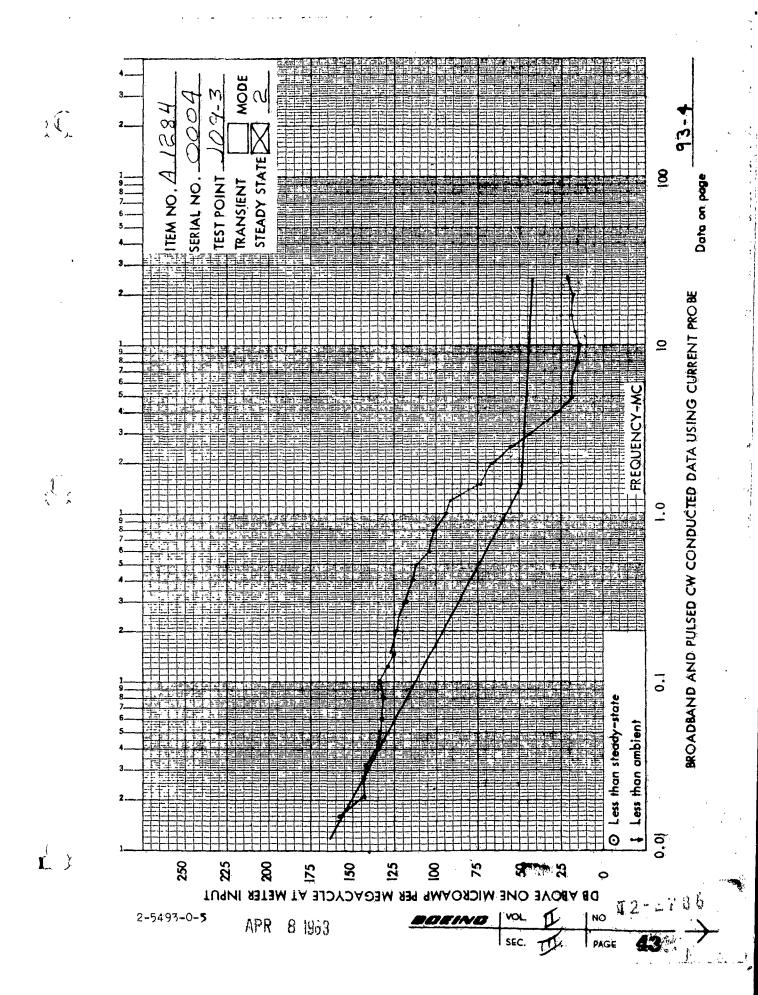


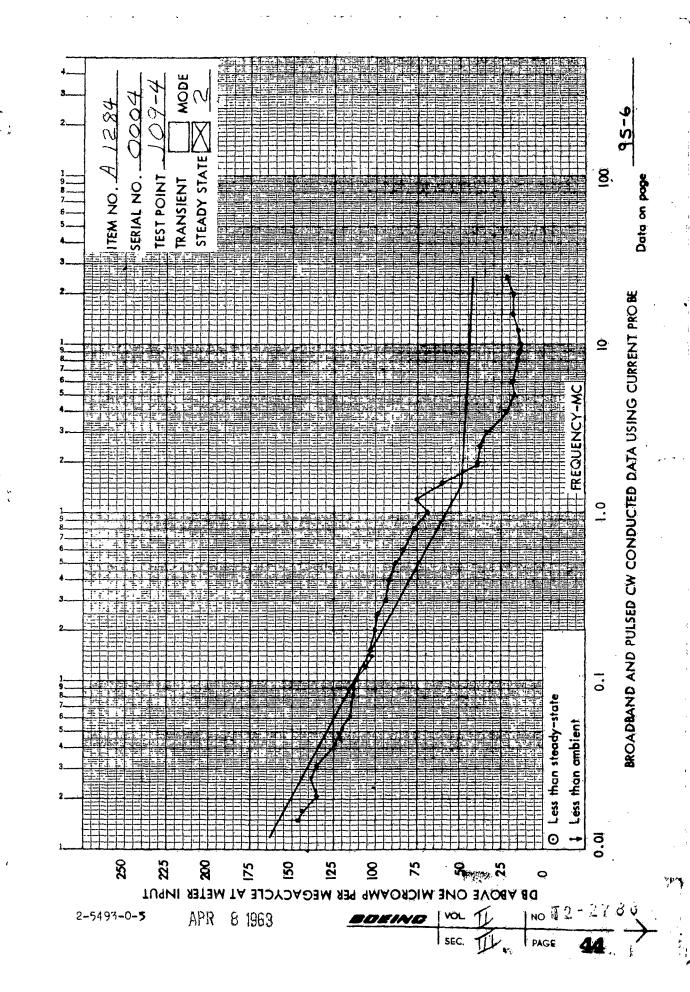


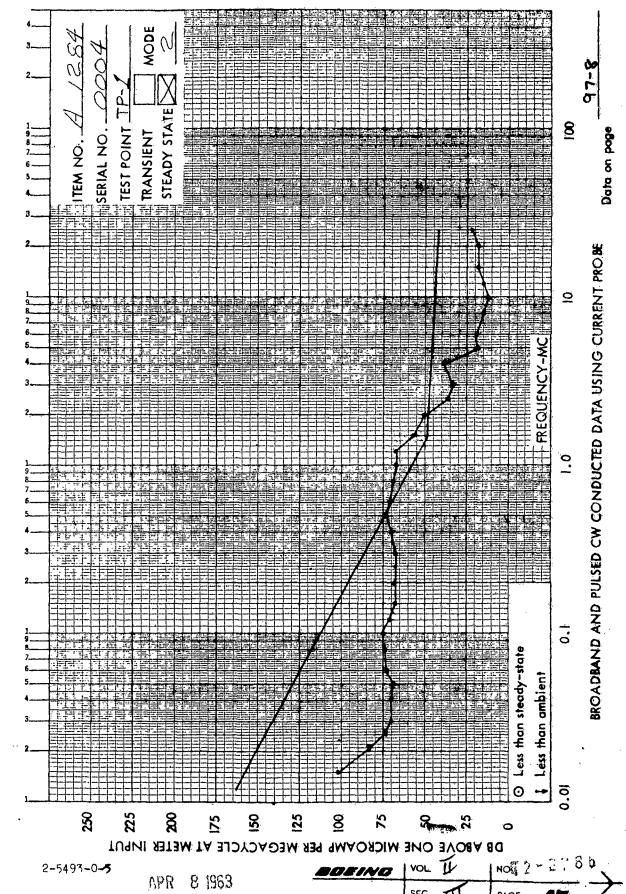


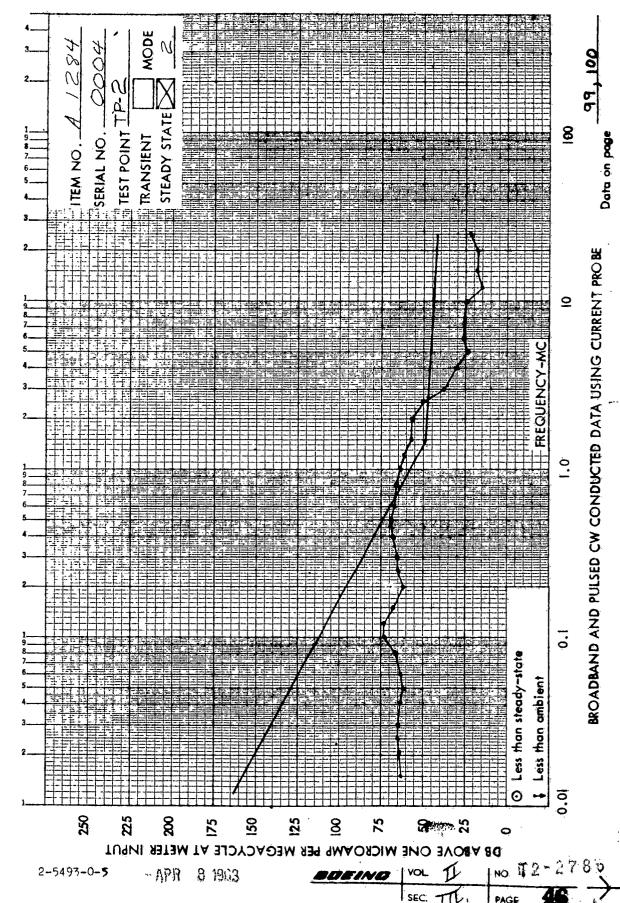






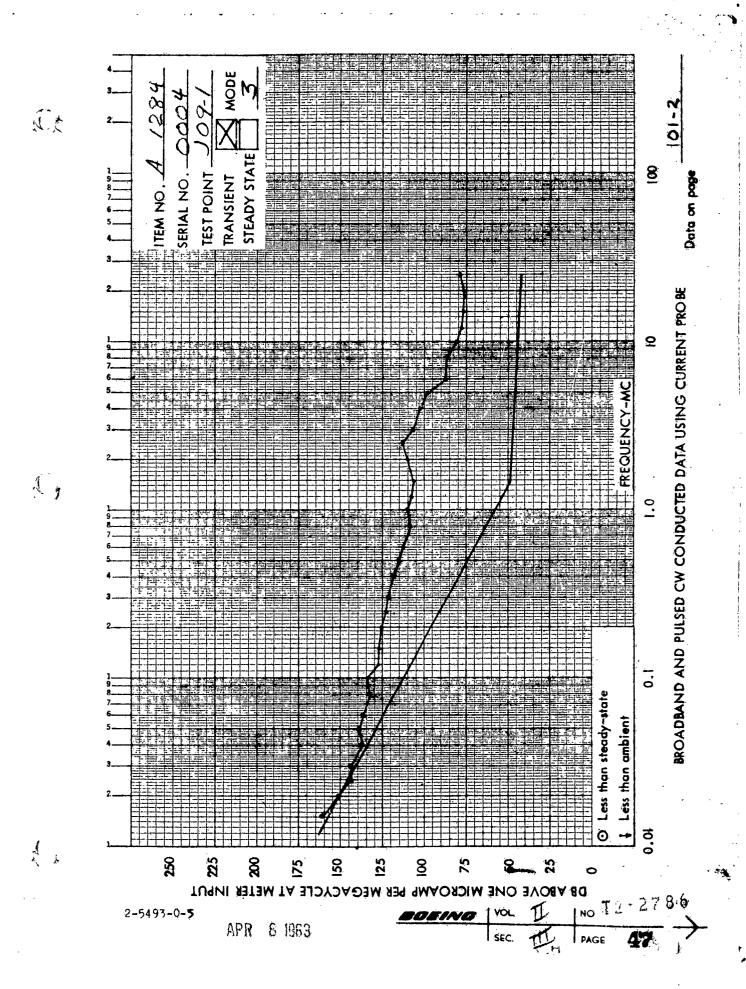


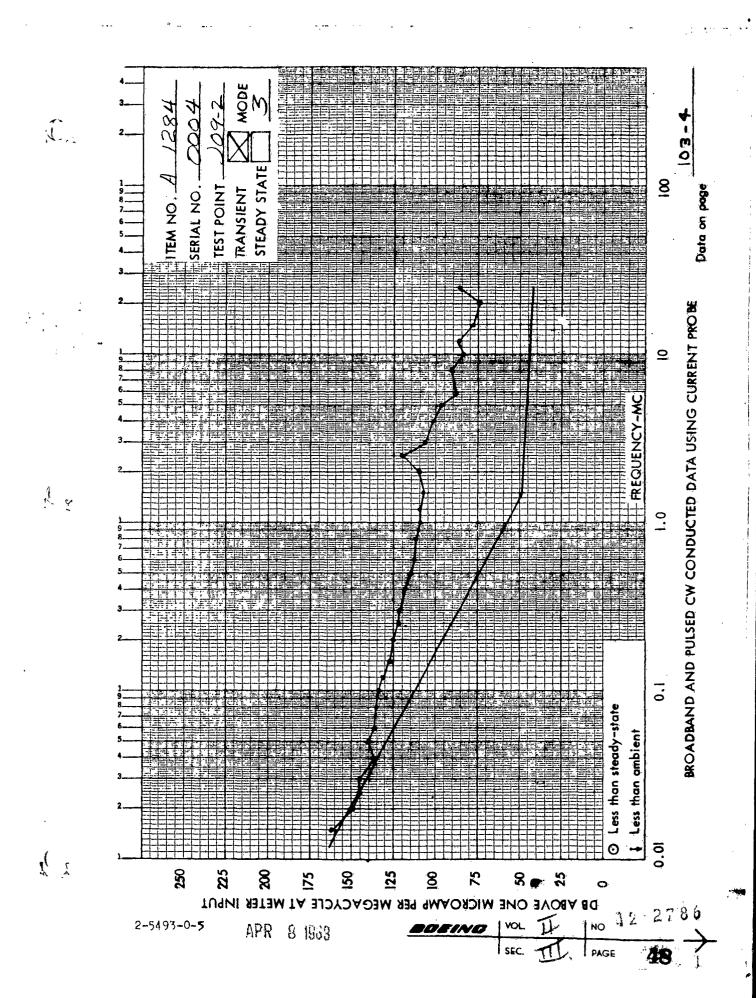


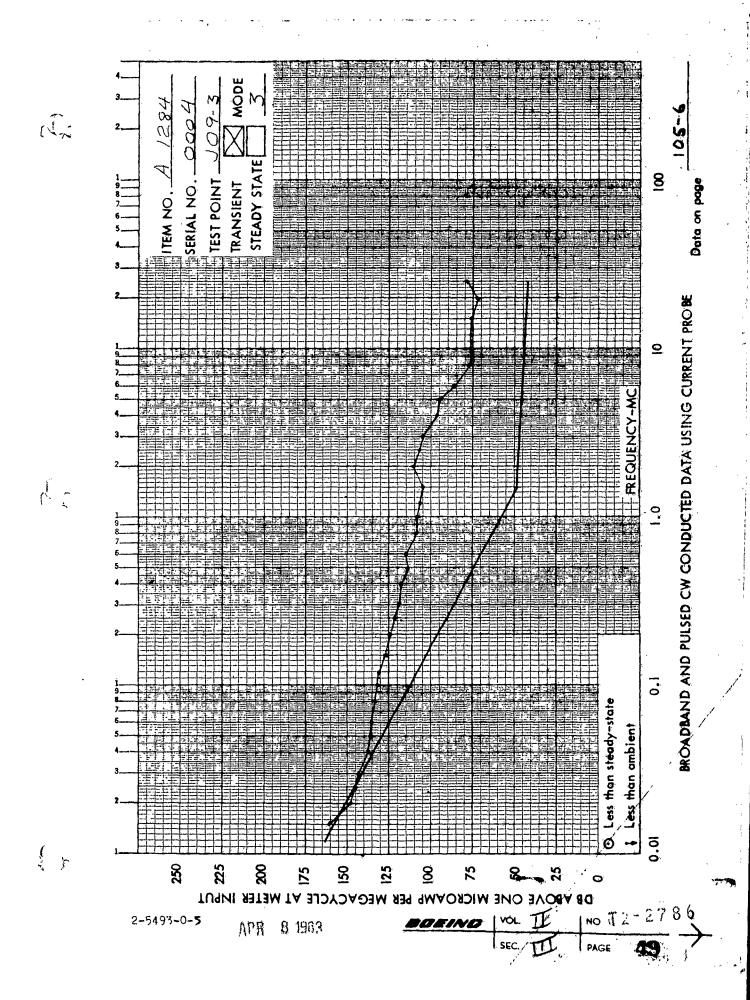


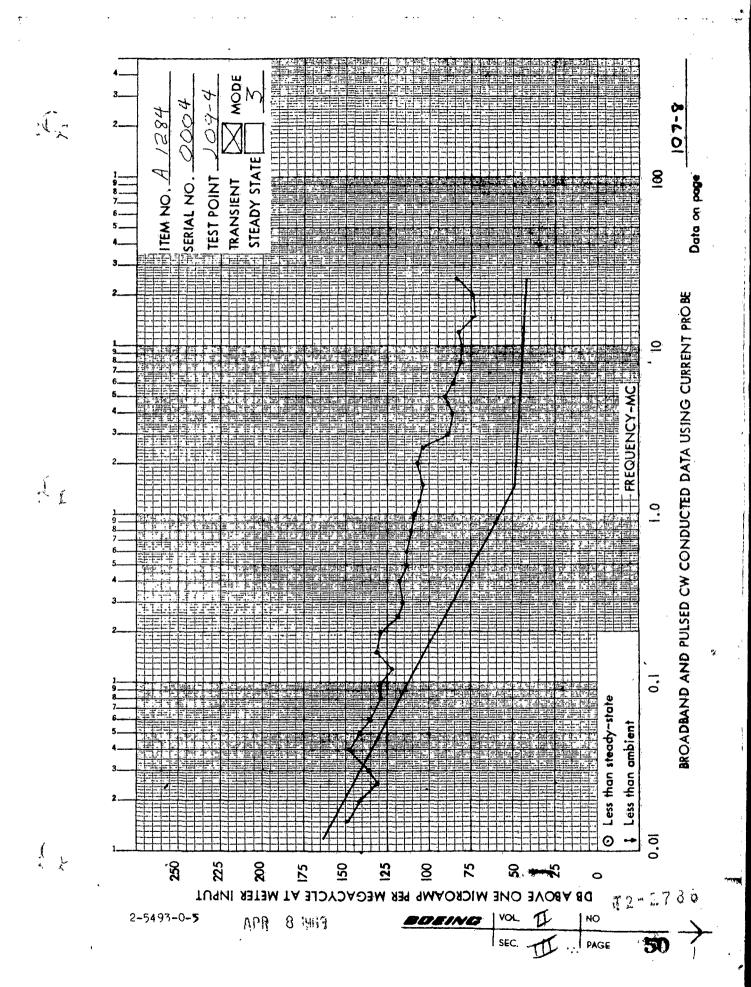
J

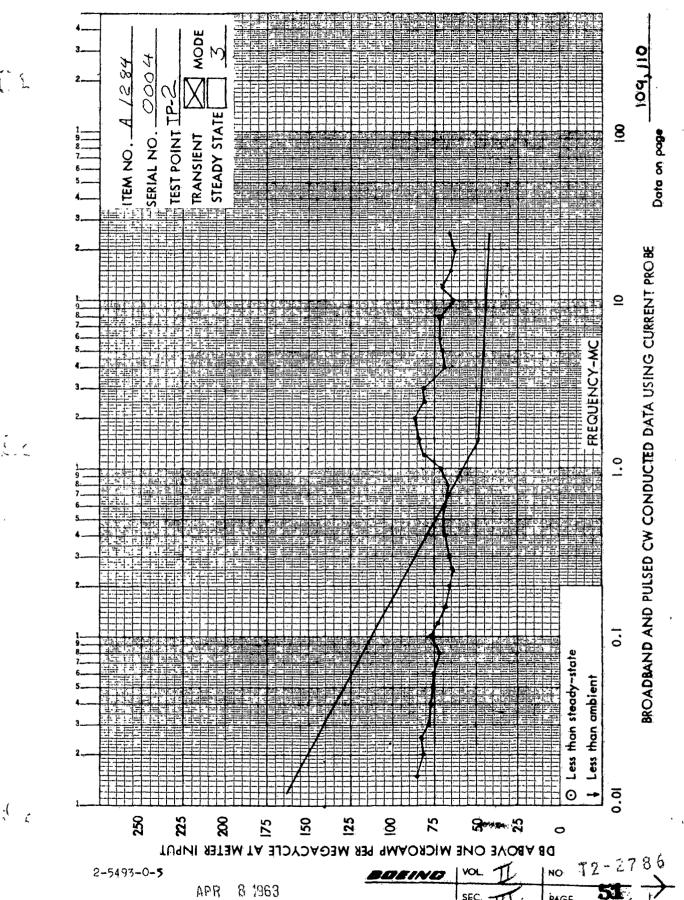
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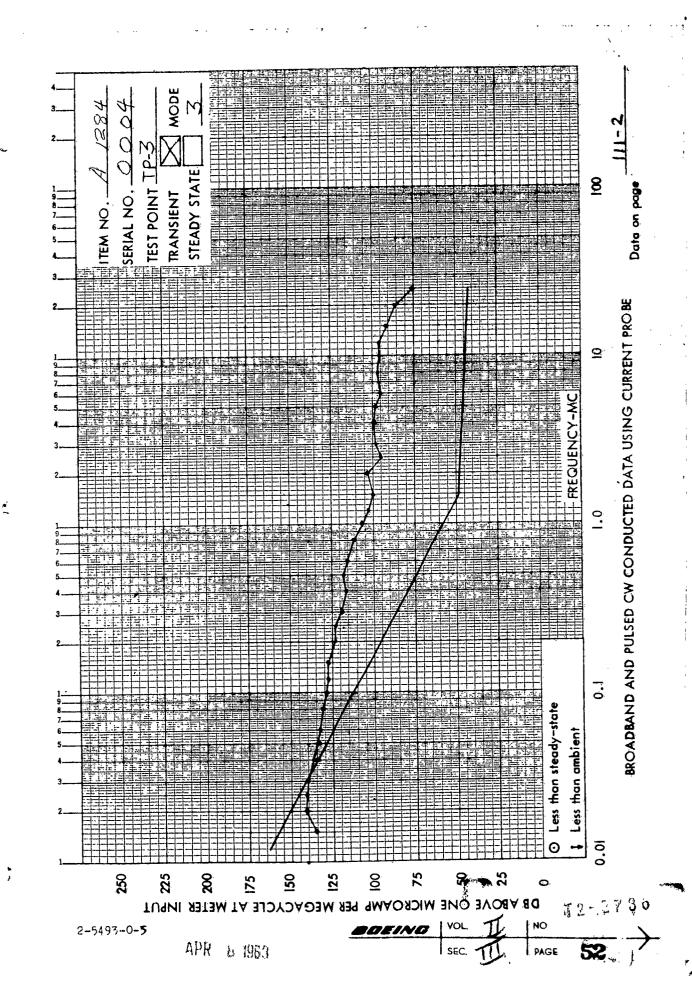


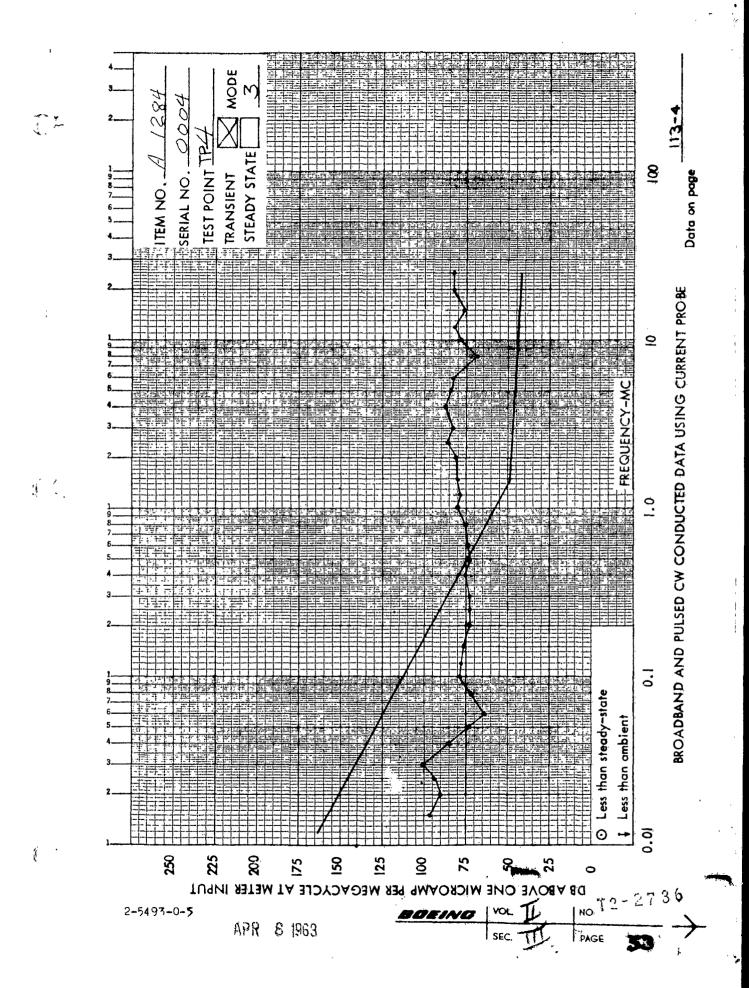


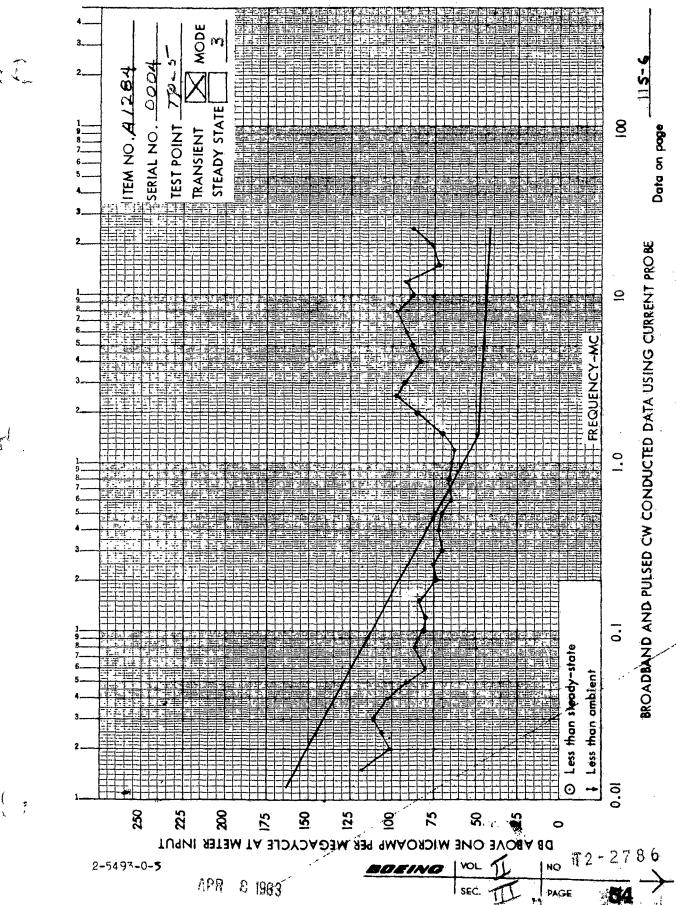


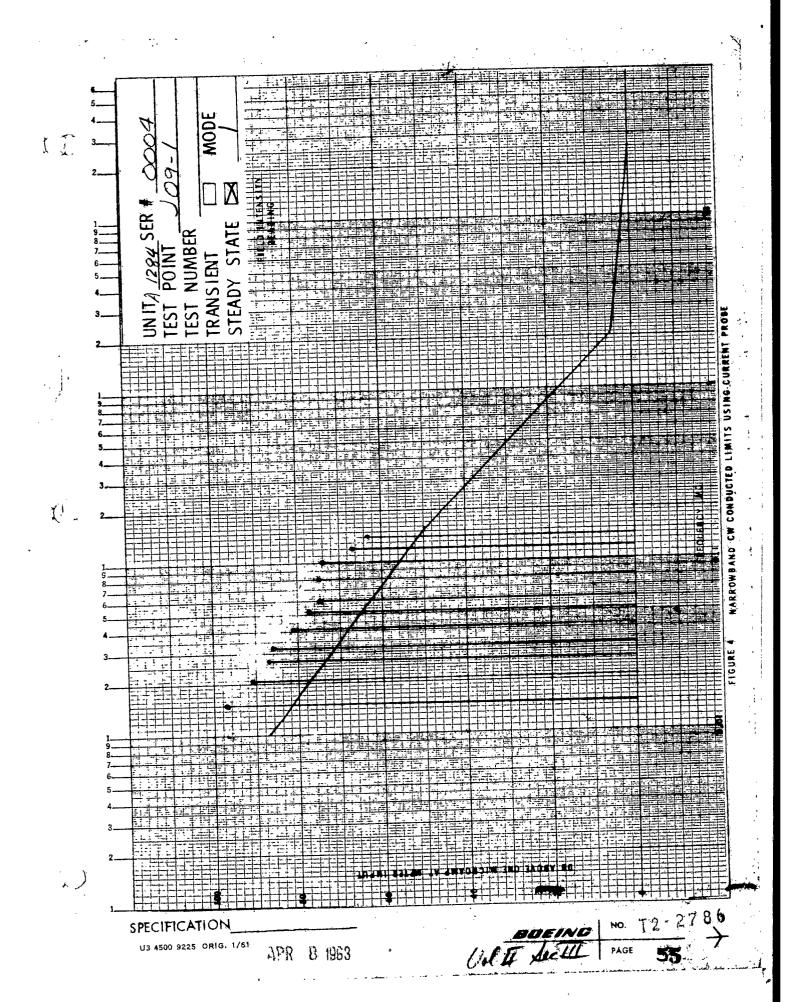










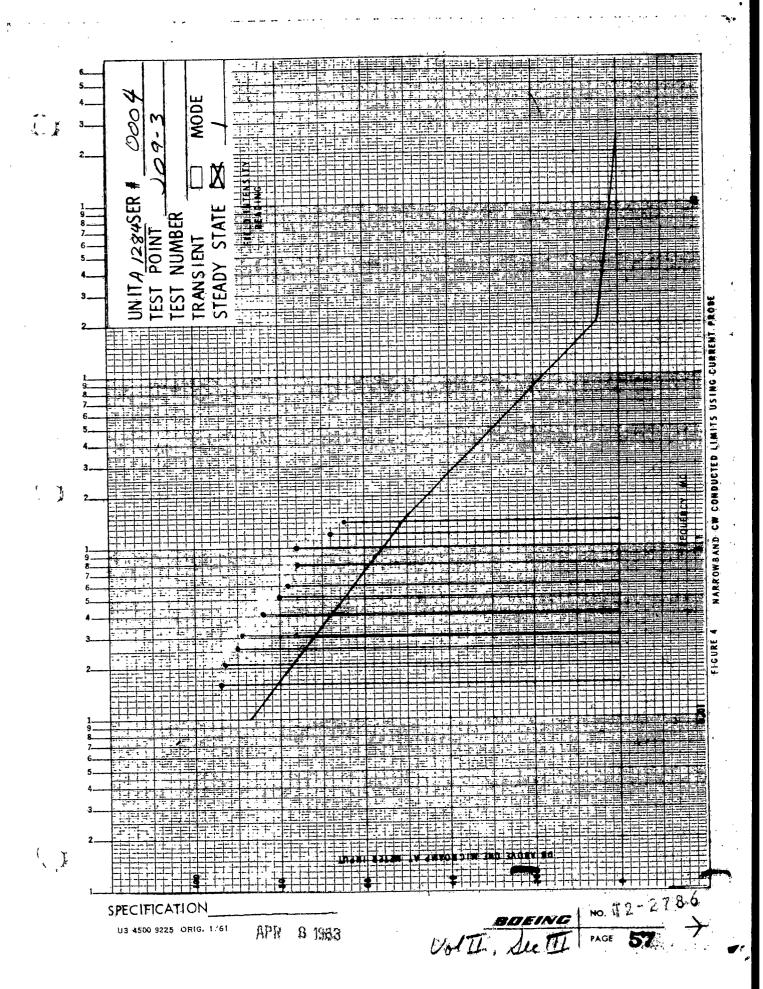


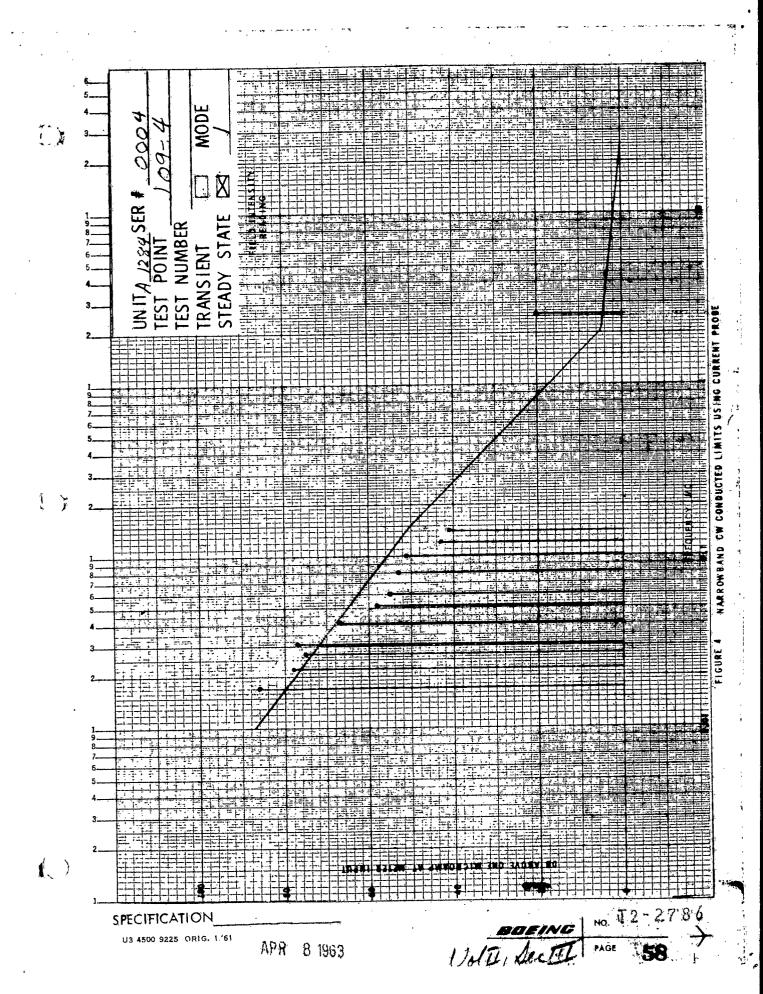
NARROWBAND CW CONDUCTED LIMITS USING CURRENT PROBE SPECIFICATION

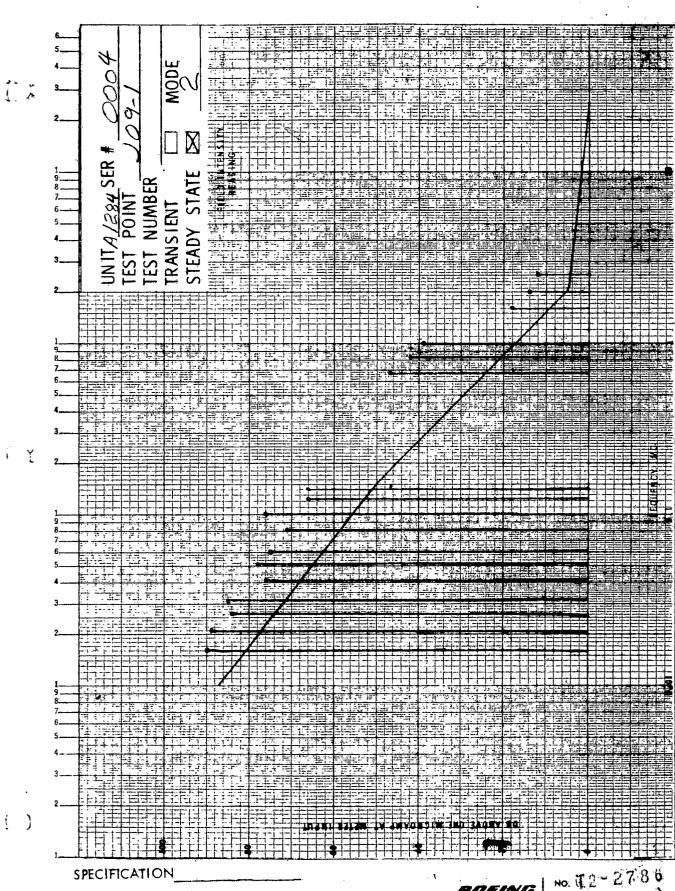
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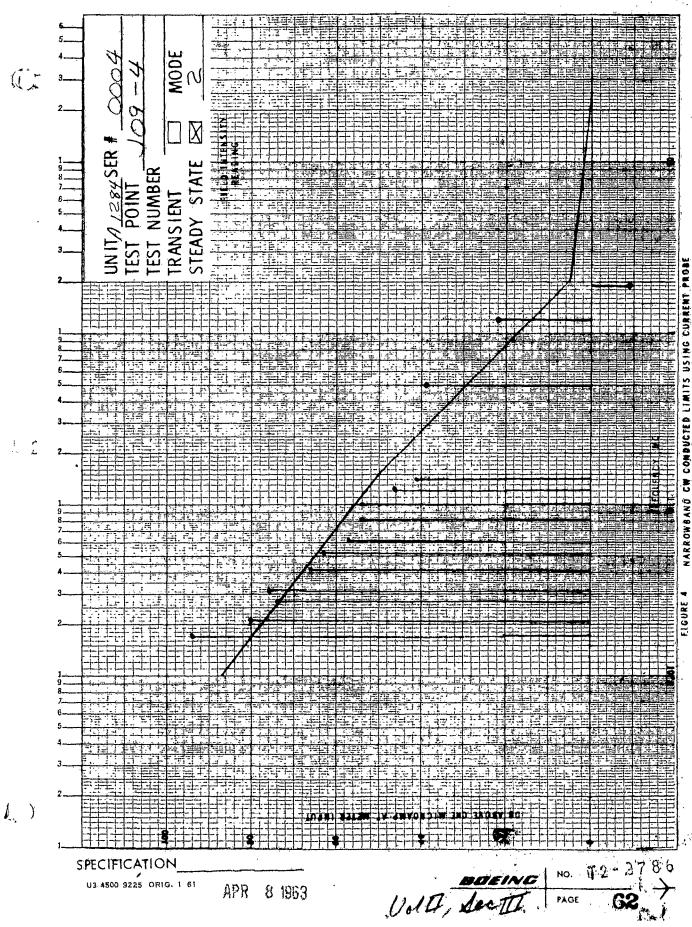
Volt, Lee II : PAGE 59.

UNITY LEC III. PAGE SPECIFICATION U3 4500 9225 ORIG, 1.'61

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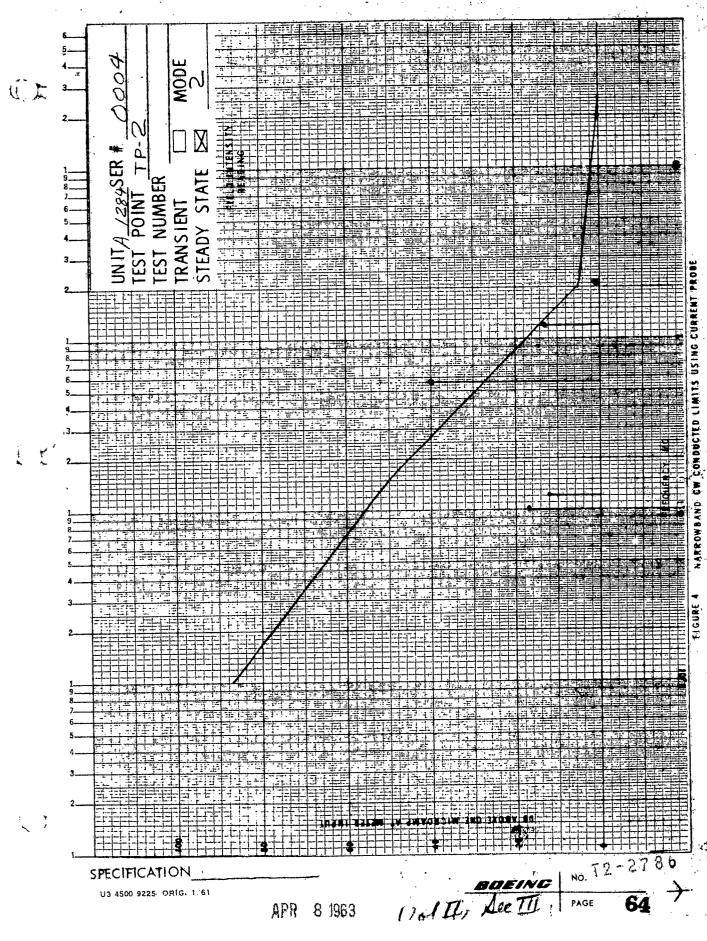
UN ITA JESH SER #
TEST POINT
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STEADY STATE Vola, Lee III. PAGE CAN SPECIFICATION U3 4500 9225 ORIG. 1/61

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VolII, SecTI PAGE 62 SPECIFICATION U3 4500 9225 ORIG: 1/61

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APPENDIX V

Tabulated Test Data

	France	Made	Test Point	Zaste
	15 KC - 400 MC	TH AMB 1	•	67, 68 69, 70 71, 72
	15 KG - 400 MG	2 3		73, 74 75, 76
? . 0	Conducted Interf	eresce		
.1	Broadband			
	30 cps - 15 KC	TH		17
	15 KC - 150 KC -15 MC - 25 MC	TH		. 78
	30 cps - 15 KC	TH 1	J09-1	79 80
	1	Ī	J 09-2	80
		ì	J09-3	30
		1	J 09-4	80
		2	J09+1	80
		Ţ	J09-2	80
			J09-3	80
		J	J09-4 TP-1	80 80
		2	TP-1	80
		3	J09-1	80
		1	J09-2	80
•	[J 09-3	80
			J09-4	80
	·		TP-2	80
			TP-3 TP-4	80 80
	30 eps - 15 KC	3	TP-5	80
	15 KC - 25 MC	í	309-1	81, 82
		t t	J 09+2	85, 84
		ĺ	J 09-3	85, 86
		1	J09-4	57 · . 88
		2	J 09-1	89, 90
		1	J09-2	91, 92
	1	ļ	J09-3 J09-4	93, 94
	f	ł	TP-1	95 , 96 97 , 98
	15 KG - 25 MG	2	TP-2	99, 100

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APPENDIX V (continued)

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2.2

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Tremercy	Heie	Test Point	SPACE
15 KC - 25 MC	3	J 09-1	101, 10
	ļ	J09-2	105, 10
	C. C.	209-3	105, 10
•	·	209-4	107, 10
ļ	[TP-2	109, 11
	Ī	27-5	111, 11
75	•	TP-4	115, 11
15 KG - 25 MG	3	12-5	115, 11
<u>a</u>			
Trequency	Mode	Test Point	Zam
15 KC - 25 MC	1	J 09−1	117
		J 09°2	110 119 120
[i	J09-3	119
	1	J09-4	120
	2	J09-1	121
	}	J 09-2	122
i i	ł	J 09 - 3	123
j	,		
	İ	J09-4	124
15 KC - 25 MC	2	J09+4 TP+1 TP+2	124 125 126

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ROADBA	ND 🗵	RADIATI		STABILIZATI NETWORK	ON TR	ANSIENT	PEAK	\boxtimes
NARROY	V	CONDUC	TED .	CURRENT PRO	OBE STE	ADY STATE	RMS	
ITEM N	0,71/2	84 SERIAL	NO	2004	TEST POINT-		MODE	TH
Freq. Kc	Meter Reading	Probe Factor	Antenna Factor	Cable Loss	Correcte Level	Limit	Remarks	
15	36		49		8.5			· · · ·
20	36		46		82			
25	34	1	44		78			, , , , , , , , , , , , , , , , , , ,
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40	35		40		75			
50	35		38		73		(
60.	36		36		72			1
80	38		39		77			
100	38	-	36		74	, , , , , , , , , , , , , , , , , , ,		
120	36		35		7/			
150	36		23		69			÷.
Mc								· ·
.15	35		37		72			14.
20	34		37		71			
.25	33		37		70		4 4	Α'.
130	.34		56	,	70			
.40	32		31		6,3			į. Į.
50	29		32		101		,	· · · · ·
.60	29		5 £		61			
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1.2	3/		# : j		€.0			. "
1,5	30		2.17		59			
2.0	3/		29		10		<i>y</i>	- K
2.5	30		23		‡"8			1,
30	29		22		5-1		. ,	·
4,0	31	-	23		54			
50	3/		23		54			
50	32		20		52			· · · · ·
	METER			ULSE GEN.	PROBE	OPERAT	ORS D	ATE
NF-	10.5	5/N 18		449		SANZO		15-6
TX/V	F-10.5	1/4 15	2/ /	NT		101 43		L'esp
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BROADBA	AND 🔀	RADIAT	ED 🔯	NETWO	RK	TRA	NSIENT		EAK 🔀
NARROY	ANID	CONDUC	-	URRENT			DY STATE	\square R	MS [
TEM N	0.1/2	84 SERIAL	. NO	200	4 TES	T POINT-		MOI	$\mathcal{D}_{\mathbf{E}}$
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remo	,
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8.0	39	 	18			47.		ļ	·
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15	32		16	<u> </u>		48	 	 	· · · ·
20	32		15			47		ļ	
25	35	<u> </u>	1.5		<u> </u>	,	↓	<u> </u>	× 0
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NE	105	5/1/8		149			SA 1162		2-15
	 		1.		<u>†</u>	7			
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	BROADBA	ND 🖂	RADIATI	ED 🖂	TABILIZA NETWOR	ATION K	B TRAI	NSIENT	PEAK 🔀
, 1	NARROV	v- []	CONDUC	TED C	URRENT	PR O B E	STEAD	Y STATE	RMS
T.	ITEM N	AND O	- SERIAL	NO.000	الإيماد (TES	T POINT	/ :	MODERNE
	Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remarks
,	15	34		49		•	85	97	TH
	20	34		46	<u> </u>		82.	95	TA
	Th. 5°	34	·	44			78	93	TA
	30	34	·	44	 		50	91	I.H.
	-40	25		10	<u> </u>	·	75"	हुप	7 11
	50	35		<u> 38</u>			7.5	87	τ_{β}
	60	34		કુંહ			74	85	1 H
	30	38		. 39			77	83	1 17
	188	38		36			. 74	81	" *n/
	120	3.6		35			77	79	1 11
	150	36		33			67	77	4 14
	ALC.								
<i>/</i> -	115	35		37			72	77	TH
	:20:	34		37			71	75	TH.
<i>y</i> -	125	33		37			10	74	TH.
,	.30	34		36			70	73	TH
	.40	3.0		3/		, ,	63	71	73
	50	2,59		3.2			61	70	TH
	.60	· 7 P1		32			61	70	TH
	.80	8 D		33			63	69	TH
	1.0	34		29			la i	.69	TH
	1.2	31		29			60	69	TI
,	1.5	30	I	29			59	49	T. 14
:	m; ±3	31	<u>`</u>	29			40	69	TH
		4 Ü		23			23	68	TH
	79.00	7. 1	I	22			51	68	TH
	Age, this	× 1		23			5.74	68	TH
		g j.		23			5" = 4	68	TH
		**************************************		20			52	67	7 4
1		METER		IMP	ULSE GE	Ν.	PROBE	OPERAT	ORS DATE
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		RADIAT	ED 🔀	NETWO	RĶ	B TRA	NSTENT		AK 🔀
NARROV B	V	CONDUC	TED	CURRENT	PROBE	STEAL	Y STATE		WS
ITEM N	04/284	SERIAL	NO EDE	24	TES	T POINT		MOI	FAME
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec.	Remo	arks
8.0			18			47	67	T	1/
10.0	28		19	,		47	67	7-1.	/
10.00	251	· · · · · · · · · · · · · · · · · · ·	19		,	48	67	TH	·····
1500	374		16			48	66	7-4	:
1,7,3	32		15			47	66	777	
250	35		15			50	66	-7-H	i.
30.0	32		පි			40	47	TI	1
40.0	3.1		ક			37	50	T.U	
50.0	3.12		3	·		39	51	" H	
10.0	30		9			3.8	5	The	
80.0		· · · · · · · · · · · · · · · · · · ·	Ş			40	52	T.H.	· · · · · · · · · · · · · · · · · · ·
100,0	37.		30		· · · · · · · · · · · · · · · · · · ·	40	53	7.4	
120,0	33	,	8			4/1	53	TH	
150,0	.33		(F)		<u>.</u>	41	54	TA	
- 00.0	34		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			42	\$ 5.	TH	
2500	3.2		₽			40	. 54	TH	
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400.0			1,3			39	57	<u> </u>	
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	METER			ULSE GE		PROBE	OPERAT		DATE
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R	OADBA	ND 🖂	RADIAT	ED 🖾	TABILIZATIO NETWORK		ANSIENT	PEAK X
N	IARROV	v- 🔲	CONDUC	TED	CÚRRENT PROB	F STEA	DY STATE	RMS T
.],	B.	AND 28	SERIAL	W 00	10 A YE	ST POINT	? ′	7
	I EW. 14		- SEKIAL	NO		31. FOINI —		MODE
F	req. どこ	Meter Reading	Probe Factor	Antenna Factor	Cable Loss	Corrected Level	Limit	Remarks
	15.	34		11.1		.5.4	97	Arin B
L	20	40		44 .		26	95	
	25	÷//		44		83-	93	
L	30	47		of it		91	91	
	40	سد سائد رام		do		80	89.	
	50	25		7.8		7.3	87	MMR
	60	27		1/4		72	85	128
L	80	36		- 34		77	83	AMB.
	100	১৪	.*	* , (. 74	81	はなり
L	120	3 🖟		15		11	79.3	AMB
Ŀ	150	84	,			57	77	4.41/3
	MC							
	.15	35		37		72	77.	A 121 5
	12.0	. 34		37		71	75	AMB
	25	33.	·	37		. 70	74	AME
	.30	34		36	a .	70	73	A. M.B
	,40	32		31		63	71	DALIE L
	150	29		32		61	70	1.11.3
	60	29		32		61	70	PM. S.
L	· 80	30		33		63	69	AMB
	10	33	1	29		62	69	<u> </u>
	1.2	31		29		60	69	GNA
	1,5	30	I	29		59	69	A 119 12 1
	2.0	32	1	29		. 61	69.	
	2.5	30	1	23	,	5≥	68	AMB
	3.0	31		22		53	68	
	4.0	31		23		54	68	Ams
	6.0	31		23		54	68	13 10 10
L	6.0	32	1	20		52	67	
		METER		IMP	ULSE GEN.	PROBE	OPERAT	ORS DATE
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IZ	XS	W 157		7.47	EXMAL		LIND	
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2-5	5493-0-	1.	APR 81	963	808	INCE VOL	M NO.	T2-2786

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- 1	ROADBA NARROV	-	RADIAT	TED C	NETWO			Y STATE	☐ PEAK 🔀
ŀ	8	AND	SERIAL		4		T POINT	3 /	MODE
<i>>,</i>	Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss	•	Corrected Level	Spec. Limit	Remarks
	8.0	29		18			47	67	AMB
-	10	28		19			47	67	AMB
	12	29		19			48	67	AND
	15	33	·	16		i 	48	66	AMB
	20	32	· · · · · · · · · · · · · · · · · · ·	15			47	66	AMB
	25	3.5		15			50	660	AMB
	30	32		8	.]	·.	40	47	AMB
	40	32		8			40:	50	AMO
	50	31.		8			39	. 5 1	Ains
	600	30		8			38	51	AMB
	80.	32		8			40	52	AMA
	100	32		8	`		40.	53	AMB
	120	3.3		8			41	53	AMB
1	150	33		B	,		41	54	AMB
	200	34		8			42	55	AMB
•	250	32		8			40	54	AMB
Γ	300	30		8			38	54	Amb
	400	31		8			39	5 7.	Am3
ſ						-,			
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		METER		IMP	ULSE GE	Ν.	PROBE	OPERAT	ORS DATE
7	NF-1	05 5/N	1885	- 40	49	\cdot		4140	2-26-
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2	-5493-0	-1	R' 8 1963			OSI.	NO VOL. TI	NO	12-2786

	ROADBA	ND 🖂	RADIATI	ED 🗵	STABILIZ NETWO	ATION RK	B TRA	NSIENT	PE	AK 🔀
1	NARROV		CONDUC			PROBE	STEAL	Y STATE	≥ R/	MS
			SERIAL	NO C	OOA	TEST	POINT_3		MOE)E
	freq.	Meter Reading	Probe Factor	Antenn Factor			Corrected Level	Spec.	Remo	
	KC.	delivite		dt		·	dt/av/nc	db/AV/HC		
6	15	47		49			9%	97		
	20	-11		44			940 440 6	95		
	2.5	. 41	-	्र दीप			1 /2	93		<u> </u>
	30	45		44		<u> </u>	Mig	91		
	40	40	·	110	,	<u> </u>	G. ja	89		· · · · · · · · · · · · · · · · · · ·
	50	37	,	ينكي في				87		
,	60	36		1 day			1 1	85	, a ^{ti}	
4	90	38		37			***	83		X.
٠.	180.	38		34.			74	81	6	
	120	36.	,	Bern		<u> </u>	· ** [79	Mr.	<u> </u>
,	1385	56		33		<u> </u>	2,0	77	Adri	ä.
	MG					<u> </u>	,	<u></u>	· 	
٠,	.15	35		37	,		72	77	AM	13
اموہی		34		37		<u> </u>	71	75	AM	B
	26	33		37			70	74	A) 11	<u> </u>
	, 2, 0	34		36.			70	73	An	A
	10/6	32		.31			63	71	AKT	<i>A</i>
	.50	29		32			61	70	Am	<u> E.</u>
	,10	29		32			61	70	AM	/-)
	, 40	35		33		<u> </u>	68	69		
	, ,	32		29			61	69	Airi	3
	1.3	31		29.			60	69	Ali	.3*
	1.50	3.2		29	,		61	69	-	. .
	2.0	22		29			61	69		
	2.5	30		23			53	168	Am	<i>E</i>
	3.0	31		35		ļ	53	68		*
	4.0	3/		53		ļ	54.	68	Am	P
٠	5.0	3/		23			54	68	100	
•	6.0	32		20		1.	52	67	Ami	3
		METER			IMPULSE C	SEN .	PROBE	OPERA	TORS	DATE
IJ	115	105 54	1885		58 115 51	V 4/47	,	11/20	1175	2-26-6
1,1		3 N 157			MIERN		4	1	24 15	
	1	1	<u>. L </u>					Plotted on	page 3	33

SEC. TTL PAGE

Freq. Reading Foctor Factor Having Foctor Having Foctor Having Foctor Factor Having Foctor Factor Having Foctor Foctor Having Foctor Foctor Having Foctor Having Foctor Having Foctor Foctor Having Foctor Having Foctor Foctor Foctor Having Foctor Foctor Foctor Having Foctor Fo	NETWORK	B TRA	NSIENT	PEAK 2					
		STEAL	Y STATE	RMS [
Freq. Reading Factor Factor MC HAVING B. D 29 18 19 19 12.0 29 19 19 15.0 32 15 30 35 30 32 160 32 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 32 33 160 3	PDU TEC	ST POINT	1						
Freq. Reading Factor Have Additional Have Addi	1 1	T FOINI ——		MODE -					
10.0 29 19 12.0 29 19 12.0 32 16 20.0 32 15 30.0 32 3 40.0 31 5 60.0 30 8 80.0 32 3 120.0 32 3 120.0 32 3 120.0 32 3 120.0 33 5 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8 300.0 30 8		Corrected Level	Spec. Limit	Remarks 🔍					
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12.0 29 19 18:0 32 16 20:0 32 15 30:0 32 8 46.0 31 5 60:0 30 8 80:0 32 8 100:0 32 8 120:0 32 8 120:0 32 8 200:0 32 8 34:0 33 8 300:0 32 8 300:0		47	67	1 1 1 1 B					
18:0 32 16 20:0 32 15 30:0 32 8 40:0 31 5 40:0 30 8 80:0 32 8 100:0 32 8 100:0 32 8 120:0 33 8 200:0 34 8 250:0 34 8 300:0 31 8 300:0 31 8 300:0 32 8 300:0 34 8 300:0 31 8		48.	67	AND					
2010 32 15 25.0 35 15 30.0 32 8 46.0 31 5 60.0 30 8 80.0 32 3 100.0 32 3 120.0 33 8 200.0 34 8 250.0 32 8 300.0 30 8		48	46	Pl M 3					
35		47	66	AME					
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\$0.0 31 5 80.0 32 8 100.0 32 8 120.0 33 8 200.0 34 8 250.0 32 8 300.0 30 8 400.0 31 8	T ·	39	50	AMB					
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T 150.0 33 F 200.0 34 8 250.0 30 8 400.0 31 8		40	53	19.64					
200.0 32 8 250.0 32 8 300.0 30 8 400.0 31 8		41	53	AME					
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	APULSE GEN.	PROBE	OPERAT	ORS DAT					
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SEC. III PAGE

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	NARROY	w- 🔲		TED				Y STATE	RMS
	ITEM N	AND		,			POINT 3	¥	MODE_3
المراجعة المراجعة	Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec.	Remarks
•	13-	47	,	49		· · · · · · · · · · · · · · · · · · ·	GL	41/4V/MC	OFF
	20	47	 	46			43	95	014
	25	48		44			92	93	5//
	300	51		44			95	91	32
,	40	48		40.			8	જુવ	04
, ,	370	The same		38			1 1 1	87	57.60
	10	45		36			81	85	
	- 60	40	·	39			74	83	C_{i}
٠.	100	38		36			7.4	81	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	120	36		35			7/	79	market 1 50% at the last to the
	150	40		33		·	73	77	000
	NIC					<u>-</u>			
	.13	38		37			75	77	ON
	.20	.39		37.		·	74	75	011
	23-	38		37			75	74	CM
•	.30	42.		36			78	73	ONI
	110	45		31			76	71	ON
•	150	55		32			\$7	70	CN
	140	61		32		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	92	70	<u> </u>
,	80	63		33			96	69	2 N1
	1.0	60		29			39	69	Cal
	1.12	52		29 29			81	69	NC
3		4.9		29			76	69'	- ON
	2.00	48		29			77	69	VΛ
	2.5	58		23		<u> </u>	31.	68	ON
	300	69		53	1		1 91	68	ON
;	4.0	63			·		84	68	ON
,	5.07	61	·	. 23	,		34	68	OM.
	6.0	571		20		- 7	77 1	67	MO
		METER	,		ULSE GE		PROBE	OPERAT	
是是		6 34	1885	1	15 CAL	1.0	4	EWITT	2.24-63
	TX SA	1571	·	IZN	TEKN	ed don		<u> </u>	
· [· · · · · · · · · · · · · · · · · · ·		- est	,	<u>`</u>			· ·	2 2780
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SEC. III PAGE

-	ROADBA NARROV		RADIATE		STABILIZ NETWO	RK		ISIENT Y STATE	PEAK X
,	ITEM N	AND SE	SERIAL	NO.00	ON .		POINT 3	4	MODE
	Freq.	Meter Reading	Probe Factor	Antenna Factor			Corrected Level	Spec. Limit	Remarks
1	8.0	50		18	<u> </u>		68	67	ON.
1	10.0	61		19			80	67	DN
١	12.0	65		19			\$4	67	ON
ı	115.0	64		16			80.	66	OM.
	* .					1	78	66	JA
	20.0	.63		15	-	 	8/	66	ONE
	250	72		8	- 	1	35	47	OM
	30.0			8	 -	 	9.4	50	ON
	40,0					 	7 3	SI	DA
. '	50.0			8		 		51	ON
)	10.0		}	<u>නි</u> පි	+	 	97	52_	0.01
	100.0	y Sala	<u> </u>	8	+	 -	77	53	22
	120.0		 	8		+	66	54	034.
	150.0		 	8		 		55	ONI
1	200.1	27		 3 -		╂		55	CN
	2500	•		Š		-	574		ON
	300.0		 			 	51	56	27.7
	400.0	7 44	ļ	13		 	152	57	
	<u> </u>		<u> </u>	<u> </u>		 	1 0 -	-	
*	80.0	77	ļ.,	8		 	85	52	GAL.
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		METE	<u> </u>		MPULSE	GEN.	PROBE	OPERA	
13	1 1 1 1	0 2 3 8 4	1895	T	C 115 5	VALIN		HEWIT	7 2.26
A.	P	v a					•	-	
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BROADBAND & PULSED CW CONDUCTED DATA USING CURRENT PROBE PEAK 🖂 30 CPS to 15 KC ITEM NO. 4/284 SERIAL NO. DOOM Meter Corr. Corrected Speg. Remarks Test Point Mode Type Limit Reading Factor Level dl/ma/2014 delay/20xc METER BACKGROUND MATER Steady-State (S), Ambient (A), Threshold (TH) Type: Transient (T), METER OPERATORS DATE PROBE LE 2N 310-4 HEWITT

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Vol II, Secti

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	ROADB		RADIAT	ED		RK 1		USIENT	PEAK 🔀
	NARRO\ B	N- AND 10	CONDUC	TED	CURRENT	PROBE	STEAD		
~	ITEM N	0.4./3	SERIAL	NO	009	TEST	POINT		-MODE / H
	Freq.	Meter Reading	Probe Factor DRIA	Antenna Factor	Cable Loss		Corrected Level DB/WA/M	Spec. Limit	Remarks
	15	36	+/5				5/		
I	20	36	+/2.5				49		,
1	25	34	+//				45		
	3 <i>0</i> .	36	+9				4.5		.4.
1	40	35	+6				41		
	50	35	+4				39		
	60	36	+3			····	39	·	
	80	38	+/	·			39		
	100	38	-/				37		
	120	36	-2.5				33		
	150	36	-3.5				32	:	
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L	1X/NE	-105	[N 157]					offed on pa	ge 35

APR 8 1963

SEC. TI PAGE

STABILIZATION ROADBAND RADIATED TRANSIENT NETWORK PEAK NARROW- CONDUCTED CURRENT PROBE STEADY STATE RMS BAND 1284 SERIAL NO. 0004 - TEST POINT -MODE Probe Cable Corrected Meter: Antenna Speç. Remarks . Reading freq. Factor Factor Limit Loss Level BluAlM DB/n LLINVINC 28 26 ~ 7 -8.5 34 29 6 31 18 15 8.0 28 29 12 15 32 18 20 IMPULSE GEN. PROBE **OPERATORS** DATE METER 1 2-15-63 35 Plotted on page NO 72-27 L VOL. 2-5493-0-1 BOEING APR 8 1963 III

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PAGE

BROADBAND & PULSED CW CONDUCTED DATA USING CURRENT PROBE PEAK X 30 CPS to 15 KC RMS ITEM NO. A 1284 0004 SERIAL NO. Meter Spec. Corr. Corrected Test Point Remarks Mode Type Reading Factor Level delay/2010 Hun/20KC dk/uk/20 Jog-1 11.3 100 • • • • Jn9-2 113 Tu9-3 13 J09-4 01: 101 119 .. 1/9 109-1 109.2 121 J 09-3 125 100 % 110 TF-1 39 39 56 TP-2 56 S 124 J09-1 124 5.09-2 125 123 11:4 45 ' :۔' ي DL OC 80 80 99 100 } Amblent (A), Threshold (TH) Type: Transient (T), Steady-State (S), METER OPERATORS PRCBE NM 40A S/W 3/D -. APR 8 1963

2-5493-0-4

BROADB/	AND 🛛	RADIAT	ED 🗌	STABILIZ NETWO	ATIO RK	N	B TRA	NSIENT		PEAK 🔀
NARRO	w-	CONDUC	TED 🖂	CHRRENIT	PR (1	. [STEAL	Y STATE	X	RMS
ITEM	AND A 12	84 CEDIAL	NO (2004	TI	CTD	TOINT JO	1~PC		, —
IIEM IN		- SEKIAL	. NO		- '	.31 F	OINI	Ť		DDE
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss			Corrected Level	Spec. Limit	1	marks
15	137	+15				,	52	158		cw.
21.	137	+12					149	150		c.w.
27	138	+10					148	144		cu
32	137	+8.5					146	140		cw
41	133	+ 6		1			139	134		cw
51	131	+ 4					135	128		c.u.
60	131	+ 3					134	125		cw.
80	132	+ 1				. `	33	118		Ċw.
1.00	130	- 1			,		129	113		CW
120	127	- 2,5			,		124	108	ł	I.W
141	127	-3.5					123	105		:W
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	METER		IMP	ULSE GE	N.	PR	OBE	OPERAT	CRS	DATE
NF-10	S SN	1885		·	2772	35	277-90	C. LIN	DER	3-21-6
14\x-7	-105 S	N 1571	IN	TERNA	_			··	*	<u></u>
		· .		-			P	lotted on s	2000	37
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	VND 🔀	RADIAT		STABILIZ NETWO			NSIENT	PEAK S
NARROY B ITEM N	V- LI AND A12	CONDUC 84 SERIAL	TED 2	CURRENT 004		STEAT	OY STATE	RMS MODE
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remarks
215	178	- 4				124	103	
20	127	- 6	•			121	97	
225	125	- 7				118	91	
430	122	~ 8,5				113	87	
4.0	122	- 10				112	79	
,50	119	- 11				108	74	
D.	119	-11.5				107	370	
	114	- 12.5	.x 	t.		101	63	
1.6	107	- 13				94	5%	
1.2	101	- 13				88	53	
1.5	90	- 13.5				76	48	
2.0	75	-14				61	48	
2.5	71	A				57	48	
× 3.0	68				· .	5A	47	
4.0	50		· · · · · · · · · · · · · · · · · · ·			36	47	
5.0	41		·			27	46	
6.0	38				<u></u>	24	45	
8.0	29		·			15	45	TH
10.0	28		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	14	44	HT
12.0	29	<u> </u>	· · ·	<u> </u>	· ·	- 15	44	TH
15.0	32	- 14			,	18	43	TH
20.0	32	- 13.5			 	. 18	43	7.4
25.0	35	-13		12.		22	42	TH
					· · · · · · · · · · · · · · · · · · ·			
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		<u> </u>						
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		اغيضتنست			سنهري پاياد	<u>, </u>	4 5	
	METER		IMP	ULSE GI	N. 1	ROBE	OPERAT	
NF-10	S SN	1885	TG	IS SN	149 5	N 277 -90.	C. LINE	
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Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss	— TEST	Corrected Level	Spec.	MODE Remarks
KC.	Ab/wy/rz	7				dt malie	AL LANG	
72	138	+15		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ļ	153	15%	CW
22	137	+ 12				149	149	<u> </u>
27	138	+10				148	144	<u> </u>
32	136	+8.5				145	140	<u> </u>
41	132	+6				138	134	<u>cu</u>
5)	133	+ 4			· · · · · · · · · · · · · · · · · · ·	137.	128	CW
62	130	+ 3				133	124	<u>çw</u>
30	133	+1	<u> </u>	 		34	118	Cu
100	134				· · · · · · · · · · · · · · · · · · ·	133	113	<u>cw</u>
130	127	- 2.5		<u> </u>	i,	124	108	<u>cw</u>
140	127	- 3.5			· ·· ·	123	105	<u>ew</u>
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J	18.		- 1					
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	METER		IMD	ULSE GE	N	ROBE	OPERATO	ORS DA
NF-10	METER S SN	885	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>	2 N P 22	.,	CILIND	
MILLE	5 SN	5N 1571		TERNAL		4 W. L. J. C. L.	117 U	* 12

ROADBA	ND 🔀	RADIAT	ED 🔲	NETWO	ATION	1 8	TRA	NSIENT		PEAK 🔀
NARROY	v- 🔲	CONDUC	TED 🗵 d	URRENT	PROB		STEAD	Y STATE	\square	RMS
ITEM N	AND 4178	SERIAL	NÖ	004	TES	ST PO	INT_I	09-2	MC	DDE 1
Freg.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss			orrected Level	Spec. Limit		norks
.15	127	-					123	103		1.00
.20	127	-6					121	97		
. 25	124	- 7	. 1		<u> </u>		117	91		
:30	121	- 8.5				Ų	112	87		
:40	123	- 10	, in				113	79		
.50.	118	= 11.					107	74		
.60	119	-11.5					107	70		٠
.80	113	~12.5					100	63		
1.0	106	-13		,			93	58	1 1	
1.2	101	-13	, , , , , , , , , , , , , , , , , , ,				88	.53		
1.5	89	-13.5	· · · · · · · · · · · · · · · · · · ·				75	48		
2.0	74	14	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	·			60	48		
2,5	68						54	48	L	
3.0	- 67						53	47		
4,0	51						37	47		•
5,0	42						28	46		
6.0	.35						7.1	45		
8.0	29			,			15	45	Ť	-H
10.0	28						14	44	175	T+1
12.0	29	Y			·		15	44	-	FH.
15.0	32	-14					18	43	, ,	ዝ
20.0	32	- 13.5	· · · · · · · · · · · · · · · · · · ·		,		18	43		ΉΗ
25.0	35	- 13					22	42		TH.
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J.			1			,				
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ا <u>دد ک</u> و	METER		IMPL	JLSE GE	N.	PRO	BE	OPERA1	ORS .	DATE
NE-10	,	1885	IG-			SN 2	77-90	C. L11		2-21-63
				249						-
	i. /				,	\$	P	offed on	page 35	B
-5493-0-		APR 8 IS) 63				VOL 7		12-2	786

SEC. III PAGE

NARROW	4			NETWO			NSIENT		EAK 🔀
	AND 128	CONDUC	TED (CURRENT	PROBE	STEA	DY STATE		MS
ILEM NO	هجيم إن	- SERIAL	NO			T POINT	T	MO	DR
	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Limit	1	ärks
16	139	+14		,		153	157	1	W
21	139	+12				151	150		.w
26	139	+10				149	145		w
31	138	+ 9				147	141	ς	ر بار
41	136	+6				142	134	· C	w
51	133	+ 4				137	129	<	w
60	132	+ 3				135	125	C	, LKU
80	135					136	118	<	, U.J.
100	134	- 1				133	113	¢	زي
120	128	~ 2.5				125	108	240	W.
140	127	- 3.5				123	105	ح.	W
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	METER		IMP	ULSE GI	EN.	PROBE	OPERAT	CRS	DATE
NE-10	5 SN	1885	<u></u>			N 277-90	C. LIN	DER	2-21-63
T-X/A	1F+105		IN	TERNA	L				
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			•			VOL.	I INO	T.2 - 2	786

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i i	AND 🔀		ED L	NETWO	RK	8	•	NSIENT		AK 💆
NARRO	AND 12	CONDUC 84 SERIAL	TED ('	•	,	- 5	7
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss	[8	Co	rrected Level	Spec. Limit	Remo	
.150	129.	-4			-	100	125	103		· .'
.20	127	-6					121	97		,,
25	125	-7				•	118	91		
.30	122.	- 85	,				113	47		\.
.40	122.	-10			***************************************	; ; ; e5v	112	79		
150	119.	-11	1				108	74	1	
.60	119.	-11.5					107	70		
.80	109.	-12.5					96	63		
1.0	105.	-13					92	58		
1.2	100.	13					87	53		
1.5	90.	13.5	, and the second				76	48		٠
2.0	74.	4	: 		,	_	60	48		·.
2.5	66.		<u> </u>				52	48		
3.0	69.		; •		,		55	47		· · · · · ·
4.0	50.		,				36	47	.,	
5.0	40.		,	· · · · · · · · · · · · · · · · · · ·			26	46		 .
6.0	33.						19	45		
80	29				· · · · · · · · · · · · · · · · · · ·	+++	15	45	TA	<u>,</u>
10.	28	·	· · · · · · · · · · · · · · · · · · ·	· .		-	14	44	TH	<u> </u>
12.	29	<u> </u>				<u> </u>	15	44	TH	
15.	32	14				<u> - </u>	18	43	TM	
20.	35	- 13.5	· · · · · · · · · · · · · · · · · · ·				18	43	TH	
25	3.5	13			· 	 ; ;	22	42	TH	
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	METER			ULSE GI	****	PROB		OPERAT		DAT
NF.	105	In 188	5 IG-	115 SN	449	277-	90	4IND	ER :	2-21-
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ROADE	AND 🛛	RADIAT	ED	STABILIZ NETWO	ATIOI ORK	B	TRAI	NSIENT	PEA
NARRO	w-	CONDUC	TED	CURRENT	DP OR	. X	STEAD	Y STATE	RMS
ITEM N	AND 12	84 SERIAL	NO -	2004	TE	ST PO	INT	09-4	MODE
	Meter	Probe	Antenna	Cable	1			1	I MODE
Freq.	Reading	Factor	Factor	Loss			Level	Spec. Limit	Remark
15	141	+15		1	 		156	158	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
17	132	+ 14	,	 `			146	155	CW
22	125	+12		1			137	149	-
27	125	+10			F -		135	144	ريدات
31	128	+9		1			137	141	CW
41.	119	+6					125	134	CW
51	113	+4					117	129	Cu
60	111	+3		1			114	125	Cw
80	111	+1	. ,	1			1/2	118	Cw
100	108	\			,		107	113	Cie
120	105	- 2.5					102	108	Cw
140	104	~3,5	,				100	105	Cul
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أجاجي المتحدد	<u> </u>			السنا	<u> </u>	بيل	اجتنيا		<u> </u>
	METER	· ,		ULSE G	EN.	PRO		OPERAT	
NF-	105 5/		- · · ·	•		27	7-70	Lino	2
TX/	VE 105	W 157	/ IN	TERNA	L		- 47	2 (1	
·		 				<u>ئى</u>		otted on s	oge 40
-5493-0	- 1 .	APR 8	963	4	1081	WØ	1 VOL. 1	NO.	12-278

NARROY	· ·	RADIAT		NETWO		TRAI	NSIENT	PEAK RMS
NAKKOY	AND	4 SERIAL		URRENT	PROBE			1
ITEM N	ON 12 A	SERIAL	NO.—	004	<u> </u>	POINT_L	77-	MODE
	Meter	Probe	Antenna	Cable	,	Corrected	Spec.	Remarks
Freq.	Reading	Factor	Factor	Loss		Level	Limit	
115	105	- 4				101	103	
20	103	-6				97	97	
.25	103	7				96	91	
30	100	- 8.5				91	87	
.40	98	-10				88	79	1
• 50	94	-11		[93	74	
60	92	-11.5				80	70	
-80	86	-12.5				73	63	
1.0	91	-13			, , ,	78	58	
1.2	84	13				71	53	
1.5	76	- 13.5			· · · · · · · · · · · · · · · · · · ·	62	48	
2.0	50	-14			·	36	48	
2.55	62					48	48	Cw
3.0	58				,	44	47	
4.0	36					22	47	
5.0	31				****	17	46	TH
60	32					18	45	TH
80	29					15	45	TH
10.	28	*				14	. 44	TH
12.	29	·	. "	ŕ	,	15	44	774
15.	32					18	43	7
20.	32	-13.5				18	43	7-7/+
25.	3.5	-13				22	42	TH
1.								
		I						A Process
			··					
				3,4	·			,
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	METER			ULSE GE		ROBE	OPERAT	
WE-	105	1/4/8	IG-	115 SN	449 3	77-90	LINDE	2-1
	: ·							
						Pi	offed on	page 40

BROADBAN NARROW-	·	*				رسسره به په پ	
NARROW-	un 🔀	RADIATE	<u>, </u>	STABILIZ NETWO	ATION	B TRAIL	NSIENT
RA		CONDUC	TED	CURRENT	PROBE	STEAD	Y STATE
ITEM NO	A /2 3	4 - SERIAL	NO.	004	TES1	POINT	
	Meter leading	Probe Factor	Antenno Factor			Corrected Level	Spec. Limit
16	143	+14				157	157
(2)	136	±/2				148	150
26	134	+10				144	145
3/	137	+9				146	141
41	1302	t55				136	134
5./	1355	+24				139	129
60	132	+3				/35	125
81	126)	+ /		- 		151.	118
100	13:5	7	<u> </u>			134	113
121	1212	-2.5 -3.5				1/53	108
191	119_	الارج		- [1/5	153
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	L			MPULSE G	FN	PROBE	OPERATOR'S
		N 18135		INTERA		277 /90	J = JAIO THE
TX 15	[7]	, 				والمسترد والمسترد	Plotted on page
2-5493-0			<u> خالبند.</u>	<u> </u>	<u> </u>		TE NO 12

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NARROV	AND W	RADIAT	ED L	STABILIZ NETWO	RK	STEAD	NSIENT OY STATE		PEAK 🔀
ITEM.N	001636	- SERIAL	NO. 00	04	TEST	POINT JOS	1-2	MC	DE 2
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Rer	narks
16	144	+/4	•			1.58	157		
21	122	+/2			 	1115	150		
27	136	+10			<u> </u>	146	144		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
32	136	+9				145	140		-
41	133	+6				139	134		
51	135	+4				139	129		
60	134	+3				137	125		* * * * * * * * * * * * * * * * * * * *
84.	129	+/	*	,		130	117		v ***
101	135	-1	,			1.34	113		- i jih
120	128	-2.5				125	108		
140	128	-3.5				124	105		
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أعطفاهم						201	<u>ا</u>		
<u> </u>	METER			ULSE GI		ROBE	OPERAT		DATE
	5 S/M	1882	- LA	TERN	AL E	77-90	LIMO	ER	2-25-6
	1 1571						244-1		,
		 				191	offed on c	72-2	-

ROADA	AND 🖂	RADIAT	ED 🔲	STABILIZA NETWO		B TRA	NSIENT	PEA
NARRO	w- 🔲	CONDUC	TED 🔀 (CURRENT	PROBE	STEA	DY STATE	RMS
ITEMA	AND	SEDIAL	NO.	DON		POINT JE	•	MODE
	1	1		1	, ,,,,,,			
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec.	Remark
MC	delaying	DB/n				d /uA/MS	10.24	<u> </u>
.15	130	-4			·	126	103	
201	130				·	1924	97	
25	127	- 7				120	91	ļ
.30°	125	-8.5				116	87	
.40	126	-10			·	7.16	79	
50	121	-11				110	74	
.60	155	- j2,				1.10	70	
.80	110	-12.5				97	63	
10	107	-13			'	94	58	
1.2	101	7			:	38	53	
1.5	87	-17.5		L		73	48	, .
2.0	77	;	,			63	48	
2.5	73	- 12}				sty	48	
3.0	59	H				45	41	
40	40	- 14				26	4'7	
5.0	3/	~ <i>: H</i>				17	46	714
6.0	32	11				18	45	7-4
9.0	29	-14				15	45	TH
10.	28	~(-1				14	44	7.74
12	29	-7.1				.15	44	TH
15	32	14				1. 15	43	TH
20	32	~73 3				18	43	+ H
25.	35	~13				27	42	ケカ
		,					•	
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			·					
	METER		IMP	ULSE GE	N.	PROBE	OPERAT	ORS
NF 10	S/N	1885	TG	15 SM	449	277-90	LINDER	7 7.*
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ſ		RADIAT		STABILIZ/ NETWO			ISIENT	PEAK 2
NARR	OW- L	CONDUC	TED (CURRENT	PROBE	STEAD	Y STATE	1 1 1 mm
Freq.	Meter	Probe	Antenna Factor	Cable Loss	- 153	Corrected Level	Spec.	MODE
K	1.1.27%	•		, ====			HALMAIN	
16	144	+14				158	157	
21	131	1+/2				143	150	
127	134	+10			,	144	144	
32	133	+9	1			142	140	
11 7	129	+6				135	133	
50	13/	+4				/35	129	
	130	+3				133	125	
12/	131	4/		1		132	118	· · · · · · · · · · · · · · · · · · ·
10		- 1 - /	<u> </u>			134	113	
12	1/3/2		 	1		139	108	N.
14				1		125	105	• ;
1/-7	7 1/27	·	 					
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	<u> </u>		Lim	PULSE G	EN.	PROBE	OPERA	TORS DA
\sqrt{M}	MET	· ri . 889		NTERA		277-90	LINDE	
1/1/2	SN /3 7	:/	1,4	C. S. L. Lower L. Sayler			No.	
1/·A	711	 					Plotted on	page 43

SEC PAGE 53

ROADA NARROY	N- 🔲	RADIAT	ED	STABILIZ NETWO CURRENT	RK		NSIENT DY STATE	PEAK RMS
ITEM N	OA 28					POINT TO	19-3	MODE
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level Oblashin.	Spec. Limit	Remarks
.15	130	-4	 			126	103	
,20	130	-				124	97	
,25	128	-7				121	91	
.30	126	-8.5				117	87	,
,90	124	710				1 11,4	79	·
.50	123	~.11				112	74	
.60	116	-12	W. A.		, .	104	70	
, GO	114	4/2.5-3				121	63	
1.0	107	-13	Miles P		, ,,	74	58	
1,2	104	-13				CP	53	
1.5	87	-13,5-				7.5	48	
2.1	80	14				66	48	
2.5	69	-14				53-	48	
3.0	58	-14.	, :			-44	47	
4.0	41	-14				27	47	•
5.0	3/	-14				1.17	46	TH
60	32.	-14				18	45	TH
80	29	-14				15	45	TH
10	28	.714				14.	44	
/2:	30	-14.			' <u>-</u>	16	44	
15	32	-14				18	43	TH
2.0	32	-13,7				18	43	<i>ブル</i>
25	25	13				22	42	T 4
· 								
								· · · · · · · · · · · · · · · · · · ·
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	METER		IMP	ULSE GE	N.	PROBE	OPERATO	ORS D
NF 10	5" S/W		Z.c.	11 5 th 47/91	447	277-90	LUDER	
Alad Second						*		
						P	lotted on pe	oge 43

ROADA	ND 🖂	RADIAT	5 N	NETWO		B TRA	NSIENT	PEAK D	
					,				$\stackrel{\sim}{-}$
NARROY	AND	CONDUC	TED 🔼 (URRENT	PROBE	STEAL	OY SIAIL	RMS L	
ITEM N	04.128	4 SERIAL	NO	004	TEST	POINT J	77-4		≦
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remarks	,··
15	132					147	158		
17	130	+14				144	155		
2/	123	+12				135	150		,
27	128	+10	:			138	144		.,
37	126	+ 9			1	135	141		
42	118	+6]: 		124	133		
52	116	4 4	<u> </u>		·	120	128	<u> </u>	
61	112	+ 3				115	125	. (1)	
81	113					114	118	(A.)	!
100	114				<u> </u>	113	113		
150	110	-2.5				107	108	· · · · · · · · · · · · · · · · · · ·	
140	106	-3.5				102	105	· ·	 -
	1 .			. '		-			
						 			
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	METER		IMP	ULSE GI	N.	PROBE	OPERAT	ORS DA	TE
NF	105	5/v 18	85	· ·		22290	6110	2-21	-6
TX/NS	105 5	W 157	7	NI				L	
1				,		- 1	latted on	2-2786	•

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ROADE	ND 🗵	RADIAT	ED 🔲	STABILIZ NETWO	ATION :	B TRAI	NSIENT	PEAK
NARRO	v- 🔲	CONDUC	TED 🔯 (URRENT	PROBE	STEAD	Y STATE	MS BMS
ITEM N	OAZE	4_ SERIAL	NO . OC	204	*,	POINT JO		MODE-
Freq.	Meter Reading	Probe Factor	Antenna Factor	Coble Loss		Corrected Level	Spec. Limit	Remarks.
MC	Abjuv/rc	100				HUARE	dlub!	
15.	107	4		-		105	103	
20	106	76		<u> </u>		100	97	
123	106			<u> </u>		99	91	
30	103	8.5		<u> </u>	 	94	87	
	100	-10			ļ.,,	92	19	
50	100	-//			-	89	14	
60	90	-/2				Ø .)`	70	
	82	-125 -13		<u> </u>		20	63	
	88	-13		,	 	69 75	58	
1 p	74	+1/25				60	53	<u> </u>
1.9	53	-14			 	39	48	
2.5	51	-14		<u> </u>	 	37	48 48	
3.0	48			 		34		
3.0 4.0	35	-14				21	47	
5.0	31	-14		, .		17	47	TH
	32	-14		4		18	46 45	7 37
80	29	-14				15	45	TH
10-	28	-14		1		14	44	T H
12	29	-14	, ,		· · · · · · · · · · · · · · · · · · ·	1.5	44	J H
15	32	-14	***	7	1	18	43	TH
2.2	32	-13.5				18	43	TI
25	35	-13				22	42	TU
								
				<u>@-4* </u>				
				,				
		٠,						
1	METER	44	IMP	ULSE G	EN. P	ROBE	OPERAT	CRS D
NF /		11835	7 . 4 . 4		1.5	77-90	LIND	CE RE
10	X 100	,					N	
13.				,-,-	***	Pi	otted on p	ooge 44

The second

	SERIAL			TEST POINT		MODE
Freq. Reading	Probe Factor	Antenna Factor	Cable Loss	Corrected Level	Spec. Limit	Remarks
15 66	+/5			101	158	
21 7/	1/2.5			84	150	
26 64	+10			74	145	
30 61	+9			70	142	
41 64	+6			70	134	
50 65	+4			69	129	
60 70	+3		<u> </u>	73	125	·
73	+/			74	118	
100 74	1		•	75	113	
122 74	-2.5			7/	108	
	 				 	
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METER		IMPI	JLSE GEN.	PROBE	OPERAT	ORS D
	1685			277-90	HEWIT	
To want reading	1	INT	TERNAL		*	

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12. 1

MOADBA Narroy B		RADIATI CONDUC SERIAL	TED 🔯	STABILIZA NETWOI CURRENT	RK PROBE	B TRAN STEAD POINT 72		PEAK D RMS [
Freq	Meter Reading	Probe Factor	Antenna "Factor			Corrected Level	Spec. Limit	Remarks
MC	71	-4	1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			67	103	
	73	-6				67	97	
20	74	- 7				67	्व।	
, 30	76	-8.5		N (m		67	87	
· 40	80	-10				70	79	
570	84	+11				73	74	
60	84	-12				72	70	
80	82	-12.5				69	63	
1,00	80	-/3				67	58	
	80	-13				67	53	
1.5	71	-13.5				57	48	
	64	-14				50	48	1
2,5	50	-14				36	48	
3.0	417	-1.4				33	47	
4.0	352	-14			1	38	47	
3.0	31	-14				17	46	TH
60	32-	-14				18	45	TH
8.0	29	-14				15	45	TH
10.0	28	-14	,		1	14	44	174
12.	29	-14			-	1.5	44	TH
15.0	324	-14		10		18	43	TH
20.0	, , , , , , , , , , , , , , , , , , ,	-13.5	1	<u> </u>	ļ	18	43	TH
25.3		-/3				22	42	TA
					1	<u> </u>	-	-
			1			4	114	
					1		-	
		1	1		 		+	
*					1		+	
			<u> </u>				1	
	METE	R		MPULSE	17 25 21	PROBE		TORS [
Nº /	05" S/N		I	61158	11449	¥27-40	HERVI	1-2
							Plotted o	n page A5

APR 8 1963

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NARROY	V-		TED		PROB	B TRA E STEAN ST POINT THE		PEAK RMS MODE
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remarks
15	46	+15				63	158	
21	5 1	+1.2				64	150	. ****
25	5 4	4//			<u> </u>	65	146	
30	56	+9	<u> </u>	<u> </u>	<u> </u>	65	142	
4	S &	+6		<u> </u>		64	134	
50	57	+4		1	<u> </u>	61	129	
60	60	+3		_	<u> </u>	63	125	· ·
80	65	+1.		1	ļ	66	118	
1.00	7:1	-/		 		73	113	- · · · · · · · · · · · · · · · · · · ·
120	76	-2.5		ļ	 	73	108	
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	METER		IMP	ULSE GE	N.	PROBE	OPERATO	ORS D
NF 10	5 5/14	1889		TEPN.		277-90	Hazwis	7 2-2
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ROA	DBA	ND 🛛	RADIAT	ED 🔲	STABILIZ NETWO	'ATIOI ORK	B TRA	NSIENT	PI	AK 🔀
NAR	ROV	/-	CONDUC				STEAL	Y STATE	X R	MS T
172		AND	H contain	S10' (0)	004	TE	T POINT IP	· 2	•	
1	<u> </u>		SEKIAL	NO.		<u> </u>	SI FOINT 4		MOI	
		Meter	Probe	Antenna	Cable	-	Corrected	Spec.	Remo	arks.
Freq		Reading	Factor du / n	Factor	Loss	1	de/MA/MS	Limit	F 4	
1	, ,	72	-4			1	68	103		
1,2	,	70	-6		 	1.	64	97		
1.7		72-	-7				65	qr	· · · · · · · · · · · · · · · · · · ·	
. 5		74	-8.5				65	87	,	
1.4	,,,,	78	-10			1	68	79	, , , , , , , , , , , , , , , , , , , 	
3		80	-//		ļ	1	69	7A		
		80	-/2				68	70.		
. 6	,	79	-12.5				66	63		
1.3	.4	77	-/3				64	58		
11.2	-	74	-/3				61	53		
	2 Special Control	70	-/3.5				56	48		٠,
2.18		70	-14				56	48		
2.3	р [£] А.	64	-14				50	48		
3.6		51	-14	,			37	47		
. A.f. 4	;2	44	-14	· ·			30	47		
5.4	55	3.7	-14				23	46		<u>,</u>
40	۵	40	-14				26	45		
8.	0	39	-14 H	·		<u> </u>	25	45		
J. D.	U.	38	-14				24	44		
12.	1.h	2.9	-14	, 	ļ		15	44	TH	
/1°		32	-14			ļ	18	43	TH	
3 /2-		34	13.5		\	ļ.,	. 18	13	774	
-		3.4	-13			 	22	42	· j~cj	
		· · · · · · · · · · · · · · · · · · ·			ļ	<u> </u>			· · · · · · · · · · · · · · · · · · ·	
<u> </u>	<u>-</u>			· ;		 	<u> </u>			
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)					•
		METER		ÍM	ULSE G	EN.	PROBE	OPERAT	ORS	DATE
NE	10	5 5/4	1885	I C	115 54	444	277-90	HEWIT		2-25-63
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		 						I NO	12-27	

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PROADBA NARROY LITEM N	AND	RADIAT CONDUC SEIAL	ED L	STABLIZA NETWORI CURRENT P 204	(ROBE	TRA	NSIENT [DY STATE [9_/	RM MODE
Freq.	Meter Reading	Probe Factor	Antenna Factor	Coble Loss		Corrected Level	Spec. Limit	Remar
13	146	+15				161	158	S S - 6
20	13.8	+12.5		1		151	15)	SS-0
25	/33	土山]	· ·	114	146	
30 7	135	+ 9			 ÷	144	142	27-6
40	132	+ 6				138	134	
50	135	+ 4				139	129	· · · · · · · · · · · · · · · · · · ·
40	13.4	+3	;	ļ		137	125	
80	132	4		1	<u> </u>	133	118	
1.00	135	. 170%		 		134	113	
120	1300	-2.5				127	108	<u>\^*</u>
		<u> </u>	·	 		<u> </u>	 	- ,
	<u> </u>	, ;			·			
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*	METER		IMP	ULSE GEN		PROBE	OPERATO	RS
NE W	E 54	1885	IN	TERNAL		277-90	LINDER	*2
TK S	N 1571	 		· · · · · · · · · · · · · · · · · · ·				
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1	ARROW BA TEM NO	IND _	SERIAL		004	TEST P	STEAD	29-1	MOE	13 =
	req.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level DS/AA/MC	Spec. Limit	Remo	rks
	Mc	Aklaying	-	<u></u>			27	103		<u> </u>
-	15	131	-4				125	97	<u> </u>	DN
-	20	131					123	91		OM .
-	25	130					121	87		SW.
þ	30	130	- 8.5				118	79		ON
-	.40	128	- 10				115	74		ON
-	50	126	-11-	 	1 ***		113	70		ON
-	60	125	- 12.5	1	1		109	63		ON .
F	.80	122	1 00	 	+		110	58		ON
-	10	123	7 . 7	1	1		108	53		NO.
-	12	191	- 13.5	-			107	48		ON
-	1.5	12	- 14	 	—		, Ito	48		DN.
F	20	124	1-14	<u> </u>			113	48		ON .
<i>-</i>	<u> </u>	1127	1 - 1				107	47		DN
)	3.0	1121	+	<u> </u>			1.02	47		ON
ŀ	4.0	116	+	 			96	46		INCI
-	5.0	1.10	+	+			81	45		ON
-	6.0	101					26	45	<u> </u>	OH
-	8.0	95	++-	1			4.	44	ļ	DN
	12.	92	+-+	-			. 78	44		ON:
			-14				76	43	1	· DNL .
	15.	90	- 13.5	1			76	43		W.C.
	20	90	- 13				79	42		011
1	25	1	+							· · · · · · · · · · · · · · · · · · ·
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	<u> </u>	-							- 	
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	-		CD		IMPULSE	GEN.	PROBE	OPER	ATORS	DA
N	AIT	MET -/05	5/N 188		44		277-90	I IND	ER	2-22
*		7(10)	7N 100			• 1		_	· · · · · · · · · · · · · · · · · · ·	
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ROADN	IND 🗵	RADIAT		NETWOR			NSIËNT.		,
NARRO	N	CONDUC	TED 🖂 (CURRENT	PROBE	STEAD	Y STATE	RMS	
ITEM N	O-21/2	84 SERIAL	NO	004	TES	TPOINT TO 9	-2	MODE	2
Freq.	Meter Reading	Probe Factor DB/12	Antenna Factor	Cable Loss		Corrected Level DS/JA/M	Spec. Limit	Remarks	
15	146	+15		-4·	,	161	58	55 O	FC.
20	136	+12.5		* .		149	15	SS O	ËE.
25	134	+ 14				145	146	01	1
30	136	+ 9				145	142	5.5 O	<u> </u>
40	131	+ 6				137	134	550	F.
50	136	+ 4			, <u>`</u>	140	129	250	EF
60	134	+ 3				137	125	25) GE
80	134	+1				135	114		065
100	135	- 1		<u> </u>		134	113		0 1
120	134	72.5			 	131	108:	55	OF
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	METER	**************************************	או	PULSE G	EN.	PROBE	OPERA	TORS	DAT
NF-	105	5/N 188			. 1	277-90	How I		<u>- 22</u>
77/10	105 5/	157		INT	*. 1				4
VA/AL							Plotted on	page 45	<u>.</u>

ROADE	AND 🔀	RADIAT		STABILIZZ NETWOR	SK	B TRAI	NSIENT	PEAK
HARROY	W- D	CONDUC	TED 🔯	CURRENT	PROBE	STEAL	Y STATE	RMS
ITEM N	0,4/3	SERIAL	NO CO	004	TES	T POINT	09-2	MODE
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec.	Remarks
15	131	- 4	N			127	103	Ou
.20	131	- 10			· · · · · · · · · · · · · · · · · · ·	125	97	525
25	129	- 7				122	91	ON
30	130	- 8.5				12	87	On
40	129	-10				119	19	0 N.
.50	126.	-11				115	74	ON
60	125	-11.5			~	113	70	مرادف
80	125	- 12.5				11.2	63	(C) (A)
10	123	- 3	3			110	58	37.34
1.2	123	- 13					53	ON
15	122	- 13.5	į, į			108	48	
2.0	124	- 14				110	48"	و المراح المراح
,2.5	134					120	48	00
3.0	121		,			107	47	QN
4.0	115					101	47	· · · · · · · · · · · · · · · · · · ·
5.0	111	3	, , , , , , , , , , , , , , , , , , ,			97	46	30
60	122					88	45	04
8.0	104					90	45	20
ID.	78	~	· · · · · · · · · · · · · · · · · · ·			84	44	Oil
12.	100					86	44	00
15.	92	- 4			,	35	43	0//
20	88	- 13.5				74	43	. 01/
25	99	-13				96	42	ON
			· · · · · · · · · · · · · · · · · · ·		,			
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				<u></u>		<u> </u>		
	METER			ULSE GE	N.	PROBE	OPERAT	ORS D
NE	105-5	W 1883		47		277-90	Hen	77 2-1
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	·	RADIATI		STABILIZA NETWOR		B TRAN	, -	PEAK RMS
NARROY	V- AND	CONDUC SERIAL	TED	CURRENT !	ROBE	STEAD	TOIALE	المنسير
ITEM H	OA/2.84	SERIAL	NO.		_ TEST	POINT JOS		MODE
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss	.* .	Corrected Level	Spec. Limit	Remarks
15	145	+15		1	 	160	158	550
20	135	+ [2.5				148	151	35.01
23	134	+ 11		† †		145	146	0
30	135	+ 9				194	142	
40	131			+		137	134	
30	13.7	+ 4		+		136	129	6
60	132	+ 3		1		135	125	25 2
90		+ + 1				133	118	55 0
	132.	-		+ + +		132	113.	550
JOU	/33	, , , , , , , , , , , , , , , , , , , 	 	++	 	131	108	3 3 4
120	134	- 2,5	<u>- ```</u>	+	,	1-131-	IV A	
-				+	, , , , , , ,	 		
		<u> </u>		+	<u></u>	 		
	 		<u> </u>	+	:	1	 	7
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			<u> </u>	1	<u> </u>	† · · · · · · · · · · · · · · · · · · ·	,	
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	جحنبك		1	I ANNUAL AS	. T	9005	OPERA.	toes
1	METER	Same of the second		APULSE GI	:N.	PROBE		
11)-[6	B K	2.7885				6//-90	LINDE	3-
TXIN	1025	115		177			Platted on	مم مم
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ROADIV	AND 🛛	RADIAT	ED 🔲	STABILIZ NETWO	ATION RK	B TRA	NSIENT	X ·	EAK D
NARROV		CONDUC		CURRENT			DY STATE		Ms T
	ALLIN THE	284 SERIAL		2004			09-3		-
ITEM N		SEKIAL	NO.——			POINI	7	MOI	<u> </u>
freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Rem	arks
115	130	DB/n				126	103		ON
.73	130	- 6				124	97		QM.
25	129	4 7			1 1	122	91		ON
.30	718	-8,5			41	119	87		ON
.40	/28	-10			**	118	79	\$2.5	2N
.50	1.25	11	*****			114	74		ON.
.60	127	- 11.5				115	70		DM
.80	122	- 12.5				109	63		CN
1.0	122	- 13				109	58		01
12	120	- 13				107	53		an.
1.5	/19	-13.5				105	48		ON
2.0	124	14				110	48		CAL
2.5	121					107	48		ON
3:0	119					105	47		ON'
9.0	110 .					96	47		an.
5.0	109					,95	46		DN.
6.0	100				j.	86	45		S.N.
8.0	91		1			77	45		ON
10.	90					76	44		ON.
12	90	Y	,			76	44		ON
15.	90	-14	•			76	43		ed
20.	87	- 13.5				73	43		W.
25	92	-13				79	42		No
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	METER		IMP	ULSE GE	N. P	ROBE	OPERAT	ORS	DAT
NE 1	105	W 188	5	449	7	27790	LINDE	<i>A</i>	2.22
				***	34.5		.		

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	ROADS	AND 🗵	RADIAT	ED D	STABILIZ NETWO		B. TRAI	NSIENT		EAK 🖂
* 5 4	NARROV	N	CONDUC	TED	CURRENT	PROBE	STEAD	Y STATE		RMS .
	ITEM N	OALLB	SERIAL	NO. 000	>4	TES	POINT TO	9-4	MO	DE 3
*	Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec.		iorks
•	15	134	+15				149	158	1.0	OFF
	20	128	+ 12,5				141	ाडा	53	N
	25	120	# 11 #		*		131	146	ے	25
4. 23	30	128	+ 9				137	142	ب	PF
	40	142	+6		-,		148	134	ے ۔) CC
· ;	50	137	+ 4				141	129	خ	DE'S
•	60	132	+ 3		ļ		135	125		OFF
	80	128	+ 1	· · · · · · · · · · · · · · · · · · ·			129	118		OFC :
	100	130				·	129	113		DFF
	-120	125	-2.5				122	108	2	DEE
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		METER	المستجد والمتراطعة	IMP	ULSE GE	N. T	PROBE	OPERAT	CR'S	DATE
ssign,	1/5	105 %	1885		///			HEWIT		2-22-63
	TYIN	15/105	1/4 15	77 (2000 - 10	
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	6-7 - 77-0-	· A	PR 8 196	3 :	چ.		sec T	Z PAG	Annual Control	_ _ _ _ _ _ _ _ _
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ROADEA	ND 🗵	RADIATI		NETWO			NSIENT ,	
NARROY		CONDUC	TED 🔀 C		PROBE	STEAL	DY STATE	RMS
ITEM N	AND 12 8	SERIAL	NO	004	TES	T POINT	109-	4_MODE 3
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level:	Spec. Limit	Remarks
Mc	dh winc	DB/2			-	131	103	ON
475.	135	- 6				129	97	0/2
25	126	- 7				119	91	ON
30	125	-3.5				116	87	ON
40	128	-10			1	118	79	ON
50	125	- 1				114	74	· ON
.60	120	- 11.5				114	70	ON
80	124	+12.5				111	63	ON
1.0	122	- 13				109	58	DN
1,2	119	-13	•			106	53	011
1.5	118	-13.5				104	48	00
2.0	12:1	- 4				107	48	ON.
25	118					104.	48	Ow
3,0	103					89	41	ON
4.0	100					No	47	Ou
5,0	105					91	46	
6.0	100		- 1	1.0		9,	45	13.11
8.0	96					82	45	Ön
10.	95					81	44	0,4
12.	97	Y				43	44	On
15.	8.7	- }4				73	43	<u> </u>
20.	88	- 13.5	, ,			74	43	Opp
25	97	-13				34	4.2	ON
	. 63 -24							
			<u> </u>	<u> </u>		<u>.</u>	<u> </u>	-
		, . 		. Etc	<u>. </u>		 	
			`	1			1	
			<u> </u>	<u>l:</u>	<u> </u>			
	METER			PULSE G	EN.	PROBE	OPERA	TORS DATE
NE	105 5/	V 188		447	- د د د د د د د د د د د د د د د د د د د	277-90	HEWIT	7 2-22:6
				- · · · · · · · · · · · · · · · · · · ·				
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			RADIAT		STABILIZ NETWO				NSIENT	\boxtimes	PEAK 🗵
NAS	ROV B M N	AND OA/AB	CONDUC	TED O	CURRENT 04	PROBE	I POIN	STEAD	Y STATE		RMS
Free	4 •	Meler Reading	Probe Factor	Antenna Factor	Cable Loss		Corr	ected evel	Spec. Limit	Ro	emorks
13	5	70	+15					L 5	158	y .	OFF
20	2	. 68	+12.5					15	เรเ	3,	OFF
2	5	71	+ 11	. ,				52_	146		CFF
30)	69	+ 9				-	76	142		DN
40		71	+6	,				77	134		ON
.57		72	+ 4					76	129		ON
60		. 72	+ 3					15	125		V
8	2	70	4-1					71	118		ON
10		78	-4.					77	113		OFE
12	Q	76	- 2.5			,		73	108		OFF
	, J.										**
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		<u> </u>						لبب			
		METER		IMP	ULSE G	EN.	PROBE		OPERAT	CRS	DATE
NI	=/	25	N 188	5			272-9	01	LINIDE	R	2-10-43
TX	NE	1/25 · · · ·	115	2/ /	NT				77.		1
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ROADEA	ND 🔀	RADIAT	ED 🗍	STABILIZA NETWOR	TION	B TRA	NSIENT	PEAK D
NARROV			TED			STEA		RMS
В	AND	SERIAL		DOMENT I		POINT TP	1 94	
		SEKIAI	NO.		_ 1631	T	宇宙	-MODE
Freq.	Meter Reading	Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remarks
.15	772	- 4	1			68	103	· 必从
.20	7.2	- 6			£ .	66	97	ON.
25	71	J= 7				64	91	ON
.30	75	-8,5				66	87	かく
40	79	-10				69	79	SS OFF
50	8/	-11				70	74	SS OFF
160	9/	-11.5	<u> </u>			69	70	25 OFF
.80	. 9 0	- 12,5				67	63	is FFF
1.0	84	- 13		<u> </u>		1 1	5%	ON
1.2	74	- 13		1		81	53	<u> </u>
1.5	97	- 3.5	<u> </u>	<u> </u>	- 	34	48	ON
2.0	100	- 14		1	· · ·	86	48	ON
2.5	9.4					80	48	ON
3.0	95			-		81	47	ON
40	83	ļ	·	 -		69.	47	ON
5.0	94		·			70	96	ΦΝ
6.0	<u>86</u>		`			72	45	ON
80	28 28			1		72	45	- 20
10.	84					70-	44	0'6
15	79	-14	· ,	 	· ·	65		DN:
20	7.7	- 3.5	,			63	43	<u> </u>
25	79	-13	· · · · · · · · · · · · · · · · · · ·			66	42	
							74	
								
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					7.			
	METER	,	IMF	PULSE GE	y.	PROBE	OPERATO	RS DA
NF-	05	1/N 185	5	749	<u> </u>	77-90	Brigger	
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	ROADM	ND 🔯		ED <u>L</u>	NETWO	RK	la]	TRAN	NSIENT	\boxtimes	PEAK 🔀
	NARROY	ABILI	CONDUC						Y STATE		RMS .
\$ 3	ITEM N	OAZE	SERIAL	NO00	04	<u> </u>	ST POINT	TP:	3	MC	DF-3
	freg.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corre Lev	el .	Spec. Limit	1.	marks
1	15	120				,	13		158	L ·	DM.
1	20	128	+ 12.5				14	1	151		20
	25	130	+11	,			19	1	146		1/
	30	131	·+- 9				19	0	142		<i>W</i>
	40	130	+				13	6	134		N
٠.	50	130	74	·		· · · · · · · · · · · · · · · · · · ·	13	4	129	6).1/
	60	130	+ 3				13	3	125		<u> </u>
	80	130	+ 1			<u> </u>		31	118	0	11
Ċ	100	130	- 1				12		113	7	
	123	131	-2.5	·,			12	8	108	177	24/
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.		METER			ULSE GE		PROBE		OPERAT		DATE
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1	15	7/						-7	*	· · · · · · · · · · · · · · · · · · ·	<u> </u>
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NARROY		RADIAT	TED 🖂	NETWO	PROBE	STEAD		RMS
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss	— TEST	Corrected Level	Spec.	MODE-
137	132	- 4				28	103	ON
20.	129	-6				123	97	Oiv
25	130	- 7				123	91	ON
30	127	-8.5			 	118	87	ON
126	126	-10	Ż.		. ,	1.16	79	020
	128	11				117	74	01
40	127	- 11.5				115	70	0.0
MA.	124	- 12.5		1		1111	63	ريران
10	120	- 13			, ,	107	 58.	010
1, 2	116	- 13				103		311
1.5	114	- 13.5				100	48	i i N
2) 8	118	-14	 			104	48	010
2.5	109	1				95	48	ON
30	112					98	47	ON
4.0	113		-			99	47	01
5.0	112			-		98	46	- 00
6.0	104					90	45	00
8,0	106					92	45	011
10.0	105					9	44	011
12.0	1:05				,	91_	44	May.
150	111	- 14	<u> </u>			37	43) <u>/</u>
30.0	95	~ 3.5	:			81	43	******
43, D	88	- 13	,			75	42	711
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NE IN	METER	1188		10			1 1	
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	ROADS	AND 🛛	RADIAT	ED	STABLIZ		B TRAI	NSIENT	X.	EAK 🔀
	NARROV		14.4	. '			STEAD	A · •		
.]	ITEM N	AND /2								-
E	ITEM N	944	84 SERIAL	,NO.		Z TEST	POINT TP-	3==	MOI	4
	Freq.	Meter Reading	Probe Foctor	Antenna Factor	Cable. Loss		Corrected Level	Spec. Limit	Rem	arks
ļ	15	81	+15		<u> </u>		96	divings 158	5.5.0	
4	20	יי. על י	+12.5	The state of the s	 		90	151	***	01/
,	25	83	+ 11				94	146	0 22 3 2	
-	30	92	+ 9	And the said			101	142	4	27V
	40	79	+ 6				85	134	. 77	211
1	50	70	+4				74	129	1 12	Y
,	60	61	+ 3							2N"
1	80	7/	+	1			64	125	77.73	ON:
-	100	80			1		79		9 - 25 - 257	ON.
	120	81	- 2.5	 	 		1	113		ON ON
	161	1-9-1-1	7.2.5	 	 		78	10%		GUV
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		METER			ULSE GE	N. P	ROBE	OPERAT	ORS ,	DATE
8	NF	105	W 188	5	,	2	77-90	LINDE	À.	2-22-63
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	BROADBA		RADIAT	لاسته		NETWC	RK .		·	INSIENT		PEAK 🔀
1	NARROV	V	CONDUC	TED	₫ (URRENT	PROB	e. D	STEA	DY STATE		RMS
√.	ITEM N	AND 12	84 SERIAL	NO -				•	INTIP		**	DD 3
	Frequ	Meter Reading	Probe Factor	Anten Facto	na	Cable Loss		T	Corrected Level	Spec.	Rei	marks
		HIME					 			ALJUNO	۹	· ·
	16	80	-4				-	- 1	76	103		ON
	25	79 80	6 - 7	·			 		73	97	<u> </u>	10 1 1 No. 3
		62		-			 	\dashv			+	·c/
	.30	3	-85				ļ		73	87	 	ON
, , ,	,40	84	10		 ,		 		75	79		3.04
	50	10A					-	+	73 74	74	-	ON
Y.	60	88	-11.5		. ,	7		-+	1.4	70	 	ON
- 1	1.0	93	- 12.5					-	75	63		<u>. ON</u>
		9)	- 13	· · · · · ·			 		80	58		S.N.
	12	91	-13		÷				78 80	53		ONE
	2.0	95	- 13.5 - 14				-	-	81			<u> </u>
	20	101	- 4			L		+	87	48	 	DN DN
	30	97		 	71				<u>81</u> 83	47		<u>ČU.</u>
λ_{i}		102				·	 ` 	+	88	47	ļ	Crl
	4.0	98	,				,	\dashv	84	46		
- 1	5.0	97			<u> </u>		!	+	<u>. १३</u>	45		ON.
ł	8,0	82			· · ·				- 68 - 68	45		ON
	10	92		•				+	18	44		2NI
1	12	96			_			+	82	44	- 2	13 81
	سند د	90	_ 14						76			
1	13	97	-14							43	1 1	i M
1	20	96	- 13.5 - 13	<u> </u>	<u> </u>			+	83	42		01/
		70	13	.,				+	83	136		
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	NARROY	w- 🔲	CONDUC	TED 🖂 (URRENT	PROBE	STEAD		RMS [
	ITEM N	OA 128	SERIAL	NO.	of		POINT IP	. (steer)	MODE
	Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remarks
	147	103					118	158	55°00
	20	88	+12.5				101	151	-55" Di
	75	9.5	+ 11		 		106	146	01/
?	30	102	+ 9				111	142	One
	40	72	+ 6				103	134	
	10-	87	+ 4	* 		ļ	91	129	ON
	60	27	+ 3				80	125	
	30.	85	+ 1	· · · · · · · · · · · · · · · · · · ·			96	118	<u> 350</u>
•	100	82	-				81	113	ON
	120	83	- 2.5	,			80	108	Ou
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		METER		IMP	ULSE GI	N. T	RÖBE	OPERATO	RS / DA
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į	2-5493-0			-,-,-1-, ,	5 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	OSIN		L NO	2-2786

Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remarks
115	88	- 4	<u></u>	<u> </u>		84	103	ON
.20	80	-6	<u> </u>	ļ		74	97	04
120	85	~ 7	<u> </u>			75	91	- 2V
30	79	-8.5			 	70	87	Ou.
,40	81	-10		·		71	79	O _V
1,50	521	-11	<u> </u>			70	74	04
60	77	-11.5				65	70	Oso.
80	79	-12.5			indiament . ·	66	63	_ ON
1.0	78	-13	ļ,			65	58	Ön
1.2	77	/3	·			-64	53	00
1+5	84	-13.5				70	48	011
20	99	- 14				95	48	$\mathcal{L}_{\mathcal{L}}$
2,5	1///	4		ļ	·	97	48	ON.
3.0	108		-,,			94	47	Ou.
4,0	98					44	47	011
3.0	102	<u> </u>				88	46	2/
23 4.25	105					9	45	<u> </u>
8.0	111				 	97	45	22
10.0	102					88	44	On
12.0	106					92	44	On
15:0	87	14		-		73	43	ON
20.0	90	-13.5	·			76	. 43	Car
250	102	7 3				89	42	01
	<u> </u>							
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	<u></u>	,						
	METER		- 2	ULSE G	77.5	PROBE	OPERA1	
NF10	5 S.W	1985	Tel	155N H	49 2	77-90	HEIV!	77 2-22

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ROADE		RADIAT	ED	STABILIZ NETWO	RK	L		NSIENT		PEAK _
NARROY	y- ,,⊠	CONDUC	TED X						\boxtimes	RMS >
ITEM N	O ALL	SERIAL	NO	2004	TE	ST PO	THIC	<u> </u>	M	ODE 1
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss			Corrected Level	Spec. Limit	Į.	marks
15	82	+15			1.		97	82		
21	79	+12	· · · · · · · · · · · · · · · · · · ·		1		91	177		
27	77	+10					\$7	74		
31	77	+8.5					86	71		
41	75	+6					81	68		
5	73	+ 4	<u> </u>				~17	65		*.
60	72	+3					75	63		
80	74	+ 1					75	59	:	
100	75	1					74	56		:
120	70	+2,5					67	53		
141	67	+ 3,5	-				63	51	<u> </u>	
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- T	METER		IMP	ULSE G	EN	PRO	OBE	OPERAT	rors	DAT
NF-10		1885		,,,,,,,,,,			277-90	C. LI		2-21-
	F-105 S		IN	TERNA	\L					
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sec. III PAGE 117

BROADBA				NETWO	•	B		NSIENT		PEAK
NARROY	AND.	CONDUC	TED 🔼 C							RMS 2
T ITEM N	o, Als	A SERIAL	NOO	004	TE	ST POI	NT-J	04~~~~	N	ODE
	Meter	Probë	Antenna	Cable		c	orrected	Spec		
Freq.	Reading	Factor	Factor	Loss		1.	Level	Limit	R	emarks –
KC	Yu/IE	db/2					b/u A	dela	A	-
15	79	+15					94	82		<u> </u>
22	79	+12					91	76		
2.7	78	+10		· · · · ·		_	88	74		71 34 3 - 4 34 34
32	77	+ 85					86			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
41	75	+6	1				81	68		
51	72	+4		, , ,	<u> </u>		76	65		
62	72	+ 3					75	62		
80	71	+1					72	59		
100	74	- 1					73	56		
12.0	70	-2.5					67	53		· .
140	68	-3.5					64	51		
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NF-10	SSN	1885		4	 	The second living to the second	77-90	C.LI	1000	2-21-6
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	2.54		RADIAT	*	NETWO	* * * *	100	NSIËNT		PEAK
,	NARROY	N- W	CONDUC	TED	URRENT	PROBE	STEA!	DY STATE		rms 🔀
)	ITEM N	o, Ala	SERIAL	NO	004	TEST	POINT_TO	14 - S	MC)DE
	freq.	Meter Reading	Probe Factor df/12	Antenna Factor	Cable Loss	Company of the Compan	Corrected Level	Spec. Limit	Rei	norks
7	16	80	+14				94	81		
: 1	2.	કા	+ 12				93	77		
	26	80	410				90	74	1	
	34	80	+9				89	72		
	4	78	+6				84	68		
	6).	76	+ 4				80	65		
	60	75	+ 3				78	63		
	80	75	 		*		76	59		
	100	77			,		76	56		
	120	71	- 2.5			*	68	53		<u> </u>
	140	69	- 3,5				65	51		e de la company de la company de la company de la company de la company de la company de la company de la comp La company de la company de la company de la company de la company de la company de la company de la company d
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	NF-105		1885		1	SI	1777-90	C. LIK	DER	2-21-6
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NARROY	w- 🖂	RADIA1	TED 🖂 C	CURRENT	PROBE	B TRAI	NSIENT DY STATE		MS D
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss	159.	Corrected Level	Spec. Limit	Rem	
17	72	+14		. " ,		86	80		
22	66	+12			<u> </u>	78	76		
27	65	+10			<u></u>	75	74		· · · · ·
3/	68	+ 9				77	72.		<u> </u>
41	60	+6.5				67	68	<u> </u>	-
51	54	+4				58	65		· ·
60	52	+3			<u> </u>	55	63	<u> </u>	<u> </u>
80	52	- tal 3" -				53	59		
100	52	-1			<u> </u>	51	56	<u> </u>	· · · · · · · · · · · · · · · · · · ·
120	46	-2.5				43	53		· · · · · ·
140	45	- 3,5				41	51		
							<u> </u>		
MC								L	, <u>, , , , , , , , , , , , , , , , , , </u>
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NF-1				115 SN		277-90	LIND	15 29	2-2
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ROADBA NARROV B ITEM N	v. 🔯	RADIAT CONDUC	TED		NETWO	PROB	E	STEAL	NSIENT DY STATE	Andrew Control of the
Freq.	Meter Reading	Probe Factor	Anter Fact		Coble Loss	TE	ST P	Corrected Level DEVA	Speci. Limit	Remark
16	76	+14						90	8	
21	77	+/2						89	77	
20	.74	+10		•				84	74	
31	76	+9						85	72	
41.	70	+6						76	68	+ ,
51	74	+4				,		78	65	4.1
60	72	+3						75	63	al.
81	70	+/						71	59	
100	77	-1		· 		·		76	56	
121	69	-2.5			, , , , , , , , , , , , , , , , , , , ,			66	53	
141	70	-3.5			<u>.</u>			66	5	
· .	3							<u>, </u>	,	· · · · · · · · · · · · · · · · · · ·
MC							1	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
.67	59	-12						.47	25	
183	55	- 12,5			, ,		1	42	21	· .
1.0	52	-13				<u>.</u> :		39	17	· · · · · · · · · · · · · · · · · · ·
1.6	32	- 13.5	-		· · · · · · · · · · · · · · · · · · ·	· .		18	9	, , , , , , , , , , , , , , , , , , ,
2,0	28	-14	<u> </u>	<u>. </u>				14:	5	
2.5	26	-19	<u> </u>			<u> </u>		. 12	5	
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NE.	MEIER 105	5/N/8			15 SM		35	7-90	LINDO	
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4.00		1.12 - 1.2		♣N	LEANS	5			lotted on p	oge 59

NARROY	AND S		TED 🖂	NETWO	PROBE	STÉA	NSIENT DY STATE	⊠ RM	
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss	<u> </u>	Corrected Level		Remar	
16	85	+/4			, , , , , , , , , , , , , , , , , , ,	99	81		
27	76	+/0				86	74		
32	75	+9				84	71		
41	73	+6				79	68		4-0
5/	74	+4				78	65		· · · · · · · · · · · · · · · · · · ·
94	70	+/				7/	5g	,	
101	75	/				74	56		, :
120	69	-2.5				66	53		
140	70	-3.5				66	51		
MC					1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2.434		
1.0	52	-13		· ·		39	19		
1.2	48	-13				35	14	.	
2.5	24 25	- 14				10	5 5		
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ROADE		RADIA	TED	STABILIZ	ORK	-	NSIENT	PEAK [
NARROV	v- 🛛	CONDUC	CYED	CURRENT	PROBE	STEAL	Y STATE	RMS.
ITEM N	AND 12	84 SERIA	L NO	004	TEST	POINT	09-3	-MODE
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec.	Remorks
Ke	85	DB/1	 			DHUA 99	dl/uA 81	
16	74	+/2		 	1	86	77	
27	75	+/12	 			85	74	
32	74	+9	1	1	1. /	83	7	
20	7	+6				77	67	
50	72	+4		1	*************************************	76	65	
60	73	+3				76	63	
8/	7/	*/		1	 	72	59	
100	76	-/		1	<u> </u>	7-	56	.,.
/2/	70	-2.5		<u> </u>	1	67	53	
144	69	-3.5			1	65	51	
				F	<u> </u>			
MC	*,							
1.0	53	-13				40	17	
1-2	50	- 13				37	14	
2.1	27	-14				13	5	
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ROADB	AND	RADIATI	ED	TABILIZ NÉTWO	ATION RK	B TRA	NSIENT	PEAK	
NARRO	N- X	CONDUC	TED 🗵 C	URRENT	PROBE	STEAL	DY STATE	RMS	M
ITEM N	0/1/2	SERIAL	NO	004	TEST	POINT	09	MODE-	2
Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remarks	
17	80	+14				94	80		,t.
21	68	+ 1.2				80	77		
27	64	+ 10				74	74		
31	67	+ q				76	72		,
42	60	+ 6			30	66	67		
52	59	+ 4				63	65	. ,	
61	54	+ 3				57	62		
81	53	+ 1				54	59		
100	55					54	56		
120	49	-25				46	53		
140	45	-3.5		,		41	51		
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MC.								X	` .
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٠.	ROADBA		RADIAT	-4.	NETWO			NSIENT	PEAK [
	NARRÓY B	V- 🖂	CONDUC	TED 🔀 c	URRENT	PROBE	STEA	DY STATE	
ļ	ITEM N	06136	44 SERIAL	NO.	004	— TES	T POINT		-MODE
	Freq.	Meter Reading	Probe Factor	Antenna Factor	Cable Loss		Corrected Level 128/us	Spec. Limit	Remarks
[15	20	+/5	* * * * * * * * * * * * * * * * * * * *	712.** 1		35	82	
	3.)	3.5	+/2				37	77	
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ITEM N	04/28	SERIAL	NO 02	204	PROBE TEST	POINT TP	Y STATE	RMS MODE
Freq.	Meter Reading DB/W	Probe Factor	Antenna Factor	Cable Loss		Corrected Level	Spec. Limit	Remarks
100	18	- 1				17	56	
120	15	-2,5				12	53	
Mc								
-54	52	-11.5	,			40	27	
1.2	26	-13				13	14	
2.1	15	- 14	(111 - 111 - 11 - 11 - 11 - 11 - 11 - 1			1	5	
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SEC. III MGE 126

APPENDIX VI

Abbreviations, Symbols and Definitions

e-I	Electro-Interference
₹/▲	Vertical Antenna
D/A	Dipole Antenna
TH	Threshold (Neter noise background plus transducer factor)
AMB	Ambient
55	Steady-State
CM	Continuous Wave
TP	Test Point
sn	Serial Runber
DB	Decibel
DB/wV	Decibels above one microvolt
DB/wV/MC	Decibels above one microvolt per megacycle bandwidth
DB/wa/MC	Decibels above one micreampere per megacycle bandwidth
DB/MA/20 KC	Decibels above one microampere per 20 kilocycles

Added 4-8-63

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SEC. III PAGE 127

APPENDIX VII MAIR Paperwork (Quality Control Approval)

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9	MODEL NO.	1	SERIAL NO.	CERTIFICATION EXPINATION	ER SERIAL NO.	REMARKS
NE	N.E.105	More S' [Final Alers	1005	22 APR63	5.24.29-57 96	7% (B)
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90	9/560-1	1/65.00	1		70. 10.73	8// 16/2
ì	1000	12	11/2	14 May 63	C, Linder	(50) 2-25-69
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